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1975

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Water Resources Data for South Carolina

Water Year 1974

Part 1. Surface Water Records

Part 2. Water Quality Records

Part 3. Ground Water Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-74-1

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Water resources data for the 1974 water year for South Carolina consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of wells and springs. This report contains discharge records for 56 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 29 gaging stations, and water levels for 21 observation wells. Also included are 29 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in South Carolina.

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Prepared in cooperation with the State of South Carolina
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South Carolina State Highway Department
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Atomic Energy Commission

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
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1975

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WATER RESOURCES DATA FOR SOUTH CAROLINA, 1974

Part 1. Surface-Water Records
Part 2. Water-Quality Records
Part 3. Ground-Water Records

INTRODUCTION

Water resources data for the 1974 water year for South Carolina including records of streamflow or reservoir storage at gaging stations, partial-record stations, and records of water-quality data on the chemical and physical characteristics of surface water, and ground water levels are given in this report. In Part 1, records are included for 96 gaging stations of which 56 are streamflow discharge stations, 11 are reservoir or lake stations, and 29 are crest-stage partial record stations. Locations of gaging stations are shown in figure 1. In Part 2, records are included for water-quality data on chemical, physical, and biological characteristics of surface water. Data were collected from designated sampling sites at predetermined intervals such as once-daily, bi-weekly, or monthly, and at some sites data were recorded on punched paper tape at 60- minute intervals. Records are given for 19 sampling stations of which 11 are continuous record stations and 8 are partial record stations. Locations of water-quality stations are shown in figure 2. In Part 3, ground-water data on water levels are included. Records are given for 21 continuous stations. One pertinent station (not included above) in Georgia is also included in this report. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of J.S. Stallings, district chief. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in South Carolina.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year, and ground-water data since the 1971 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of stream, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply paper entitled, "Quality of Surface Waters of the United States." Since 1955, ground-water information has been published in a series of water supply papers entitled "Ground-Water Levels in the United States." More information is given under the headings "Publications" on pages 18 and 20.

COOPERATION

The U.S. Geological Survey and organizations of the State of South Carolina have had cooperative agreements for the systematic collection of water records since 1930. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

South Carolina Water Resources Commission, C.P. Guess, Jr., executive director.
South Carolina Department of Health and Environmental Control, E. Kenneth Aycock, commissioner.
South Carolina Public Service Authority, J.B. Thomason, general manager.
South Carolina State Highway Department, S.N. Pearman, chief highway commissioner.
City of Spartanburg, L.D. Cantrell, chairman of commissioners of public works.

Assistance in the term of funds or services was given by the Corps of Engineers, U.S. Army, in collecting records for 33 gaging stations, Atomic Energy Commission in collecting records for one gaging station and 4 water-quality stations, and by the Environmental Protection Agency in collecting water-quality records for 2 stations published in this report.

The following organizations aided in collecting records:

Duke Power Company; Greenwood County Electric Power Commission; South Carolina Electric and Gas Company; South Carolina Public Service Authority; and Carolina Power and Light Company.

DEFINITION OF TERMS

Definition of terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, or 646,317 gallons, and represents a runoff of 0.0372 inch from 1 square mile.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (CFS, cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean Discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is obtained.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Land surface datum (lsd) is a precise datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is a permanent point from which the distance to the water surface in a well is measured to obtain the water level.

Micrograms per liter (ug/l, UG/L) is a more precise unit for expressing the concentration of chemical constituents in solution. One thousand micrograms per liter is equivalent to one milligram per liter. See below.

Milligrams per liter (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page 5. Concentration of suspended sediment also is expressed in mg/l, and is based on the weight of sediment per liter of water-sediment mixture. Sediment concentrations are determined in the laboratory as parts per million (ppm) and are converted to mg/l by using the factors in table 2, page 5.

Particle size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by sieve and sedimentation methods.

Particle size classification, used in this report, agrees closely with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Clay: Smaller than 0.004 mm.
Silt: Between 0.004 and 0.062 mm.
Sand: Between 0.062 and 2.0 mm.
Gravel: Between 2.0 and 64.0 mm.

The particle-size distributions given in this report are not necessarily representative of the particle sizes of sediment in transport in the natural stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis of the silt and clay.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*	0.11119	Iodide (I^{-1})	0.00788
Ammonia as NH_4^{+1}	.05544	Iron (Fe^{+3})*	.05372
Barium (Ba^{+2})	.01456	Lead (Pb^{+2})*	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*	.14411
Bromide (Br^{-1})	.01251	Magnesium (Mg^{+2})	.08226
Calcium (Ca^{+2})	.04990	Manganese (Mn^{+2})*	.03640
Carbonate (CO_3^{-2})	.03333	Nickel (Ni^{+2})*	.03406
Chloride (Cl^{-1})	.02821	Nitrate (NO_3^{-1})	.01613
Chromium (Cr^{+6})*	.11539	Nitrite (NO_2^{-1})	.02174
Cobalt (Co^{+2})	.03394	Phosphate (PO_4^{-3})	.03159
Copper (Cu^{+2})*	.03148	Potassium (K^{+1})	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1})	.04350
Fluoride (F^{-1})	.05264	Strontium (Sr^{+2})*	.02283
Hydrogen (H^{+1})	.99209	Sulfate (SO_4^{-2})	.02082
Hydroxide (OH^{-1})	.05880	Zinc (Zn^{+2})*	.03060

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*Constituent reported in micrograms per liter; multiply by factor and results by 1,000.

Table 2.--Factors for conversion of sediment concentration in parts per million to milligrams per liter*
(All values calculated to three significant figures)

Range of concentration (ppm)	Multiply by	Range of concentration (ppm)	Multiply by
0 - 15,900	1.00	322,000 - 341,000	1.26
16,000 - 46,800	1.02	342,000 - 361,000	1.28
46,900 - 76,500	1.04	362,000 - 380,000	1.30
76,600 - 105,000	1.06	381,000 - 399,000	1.32
106,000 - 133,000	1.08	400,000 - 416,000	1.34
134,000 - 159,000	1.10	417,000 - 434,000	1.36
160,000 - 185,000	1.12	435,000 - 451,000	1.38
186,000 - 210,000	1.14	452,000 - 467,000	1.40
211,000 - 233,000	1.16	468,000 - 483,000	1.42
234,000 - 256,000	1.18	484,000 - 498,000	1.44
257,000 - 279,000	1.20	499,000 - 514,000	1.46
280,000 - 300,000	1.22	515,000 - 528,000	1.48
301,000 - 321,000	1.24	529,000 - 542,000	1.50

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*Based on water density of 1.000 g/ml and sediment density of 2.65 g/cc.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids contents in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the amount of water flowing in a channel, expressed as volume per unit of time.

Temperature recorder is the term used to indicate the presence of a digital mechanism that automatically records water temperatures on paper tape.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published state annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

International Hydrological Decade (IHD) River Stations provide a *general index of runoff and materials in the water balance* (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

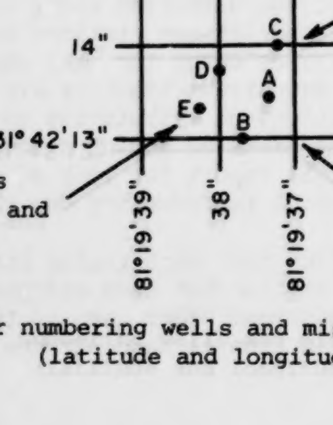
Records are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of indentification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and continuous-record gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02175000, which appears just to the left on the station name includes the 2-digit part number "02" plus the 6-digit downstream order number "175000." In this report, the records are listed in downstream order by parts. All records for a drainage basin encompassing more than one state can be arranged in downstream order by assembling pages from the various state reports by station number to include all records in the basin.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

Miscellaneous downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U. S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits is a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and a miscellaneous site are the same, sequential numbers "01," "02," etc. are assigned as is done with wells. See figure below.



Coordinates for miscellaneous site C (314214081193701)

Coordinates for wells D (314213081193801) and E (314213081193802)

Coordinates for well A (314213081193701) and miscellaneous site B (314213081193702)

Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude)

EXPLANATION OF SURFACE-WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct reading on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30-or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For a stream-gaging station, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to define the extremes of discharge, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The application of the gage height to the rating table gives the discharge. The daily mean discharge is computed from gage heights, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in determining discharge. Information required for determining the slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in determining discharge.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents are computed. Discharge over spillways is computed from a stage-discharge relation curve defined by discharge measurements.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of basic data. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or table showing the daily contents is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the 1974 water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, notations of revisions of previously published records, and general remarks. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:", the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS." For reservoir stations, information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and

"(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton rating tables are published for stream-gaging stations where they serve a useful purpose and the dates of applicability can be easily identified.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the discharge corresponding to the daily mean gage height unless there are large or rapid changes in the discharge during a day. For days having large or rapid changes, discharge for the day is computed by averaging the mean discharge for several parts of a day. For digital recorders, the daily mean discharge is always the average of the discharges at each punched reading. For stations equipped with nonrecording gages, the daily discharge corresponds to once-daily readings of the gage or to the mean of twice-daily reading; but for periods of rapidly changing stage the discharge is determined from a gage-height graph based on gage readings.

The daily tables for reservoir stations give the contents corresponding to the water-surface elevation at a given time, usually at 2400 each day. For some reservoirs the elevation at a given time is given in the daily table.

The monthly summary is given below the daily table. For stream-gaging stations the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX." and "MIN." give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM."), or in inches (line headed "IN."). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation of diversion, if the drainage area includes large noncontributing areas, or if the average rainfall on the drainage basin is usually less than 20 inches.

For reservoir stations, the monthly summary gives the elevation (or gage height) at the end of the month and the change in contents during the month. If elevation or gage height is given in the daily tables, the monthly summary gives the contents at the end of the month, rather than the elevation or gage height.

In the yearly summary below the monthly summary, the figures of maximum are the maximum daily discharges for the calendar and water years; likewise, the minimums in this summary are minimum daily discharges.

For the reservoir stations the yearly summary gives the change in contents for the calendar year and for the water year. For some reservoirs the yearly evaporation also is included.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

In a general footnote, introduced by the word "NOTE," certain periods are indicated for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs. Footnotes to reservoir tables explain the use of new capacity tables or for other special conditions.

Accuracy of Data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumptive use, regulation, evaporation or other factors. For these stations, discharge in cubic feet per second per square mile and runoff in inches are not published unless satisfactory adjustments can be made for such effects. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or unadjusted losses (consumptive use, evaporation, seepage, etc.) are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in South Carolina for the period October 1960 to September 1965 are in Water-Supply Paper 1904.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station.

Records for stations in South Carolina are compiled in Water-Supply Paper 1303 through September 1950, and in 1723 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other Data Available

Data collected at partial-record stations are given at the end of the surface-water records in this report. The table gives the annual maximum stage and discharge at crest-stage stations.

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Data on the quality of surface water were collected from designated sampling sites (map on page 25) at predetermined intervals such as once-daily, bi-weekly, or monthly.

Water-quality information is presented for chemical quality, microbiological, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums were obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations and for particle-size distribution of suspended sediment.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l) and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Fahrenheit to degrees Celsius, see table 3, page 17.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms," p. 2.).

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogenous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

Table 3.--Degrees Fahrenheit (°F) to degrees Celsius (°C)*
(Temperature reported to nearest 0.5°C)

°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
32	0.0	50	10.0	68	20.0	86	30.0	104	40.0
33	.5	51	10.5	69	20.5	87	30.5	105	40.5
34	1.0	52	11.0	70	21.0	88	31.0	106	41.0
35	1.5	53	11.5	71	21.5	89	31.5	107	41.5
36	2.0	54	12.0	72	22.0	90	32.0	108	42.0
37	3.0	55	13.0	73	23.0	91	33.0	109	43.0
38	3.5	56	13.5	74	23.5	92	33.5	110	43.5
39	4.0	57	14.0	75	24.0	93	34.0	111	44.0
40	4.5	58	14.5	76	24.5	94	34.5	112	44.5
41	5.0	59	15.0	77	25.0	95	35.0	113	45.0
42	5.5	60	15.5	78	25.5	96	35.0	114	45.5
43	6.0	61	16.0	79	26.0	97	36.0	115	46.0
44	6.5	62	16.5	80	26.5	98	36.5	116	46.5
45	7.0	63	17.0	81	27.0	99	37.0	117	47.0
46	8.0	64	18.0	82	28.0	100	38.0	118	48.0
47	8.5	65	18.5	83	28.5	101	38.5	119	48.5
48	9.0	66	19.0	84	29.0	102	39.0	120	49.0
49	9.5	67	19.5	85	29.5	103	39.5	121	49.5

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken about the same time each day when the sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuous temperature recorders are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross-sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the sub-divided day method. For periods when no samples are collected, daily loads of suspended sediment are estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross-section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream

In addition to the records of the quantities of suspended sediment, records of periodic measurements of the particle-size distribution of the suspended sediment are included.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in South Carolina are listed below.

Water year	WSP No.	Water year	WSP No.
1941	942	1955	1400
1942	950	1956	1450
1943	970	1957	1520
1944	1022	1958	1571
1945	1030	1959	1641
1946	1050	1960	1741
1947	1102	1961	1881
1948	1132	1962	1941
1949	1162	1963	1947
1950	1186	1964	1954
1951	1197	1965	1961
1952	1250	1966	1991
1953	1290	1967	2011
1954	1350	1968	2092

EXPLANATION OF GROUND-WATER RECORDS

Collection and Reporting of Data

As South Carolina continues to develop, the demand for ground water also increases.

Throughout the state many municipalities, as well as industrial and domestic users, depend on ground-water supplies. New developments along the South Carolina coast line rely almost entirely on deep artesian aquifers. Although ground water is abundant and of good quality in most of the Coastal Plain, wise development and management of the resource is necessary.

To better understand the long term effect of the stresses put upon these aquifers, a network of observation wells has been established throughout the State. Each well is equipped with a continuous water-level recording instrument which monitors the water-level fluctuations in the aquifer. These water-level records provide data which, along with other hydrologic and geologic data, can be used to evaluate aquifer response to pumping and recharge.

Each well has been given an identifying number which corresponds to its latitude and longitude location as well as a local county number. Information regarding ownership, type of aquifer, and well construction is also provided.

The 1974 water-year record of water levels and a hydrograph illustrating water-level trends for each of twenty-one wells is presented in this report.

HYDROLOGIC CONDITIONS

Streamflow during the 1974 water-year was generally above normal over the State, with flows during January, July and August being excessive (in the highest 25 percent of record) for the eastern section. Cumulative runoff for Lynches River at Effingham for the period was 22 percent higher than the median cumulative runoff for the period 1931-60.

The water year began with below normal streamflow as a result of the driest October and November in 12 years. The first general rains came during December with most areas receiving twice the normal amount. There were no outstanding flow events during the year.

In the Coastal Plain runoff was generally excessive in August when the annual flood for most streams occurred.

In the Piedmont Region runoff was generally excessive in January when the annual flood for most streams occurred. Isolated heavy thunderstorms in June and December produced moderate urban flooding resulting in some property damage.

Figure 4 on page 26, compiled from records of two long term representative gaging stations shows a comparison of the monthly and yearly mean discharges for the 1974 water year with the corresponding median discharges for the water years 1931-70.

Ground-water conditions have not changed markedly in South Carolina during the 1974 water year. In areas of heavy withdrawals of ground water by pumping from the artesian aquifers, a reduction of the pressure head has caused the water level surface to decline. This is especially true in areas of heavy summer water demands. Usually the water levels fluctuate upward during periods of lighter off season pumping. However, the increased development of these artesian aquifers and the continual heavy pumping on a year-round basis, has reduced the pressure head sufficiently to cause long term lowering of the water level.

Fluctuation of the water levels in the shallow unconfined aquifer is mostly dependent on recharge from precipitation.

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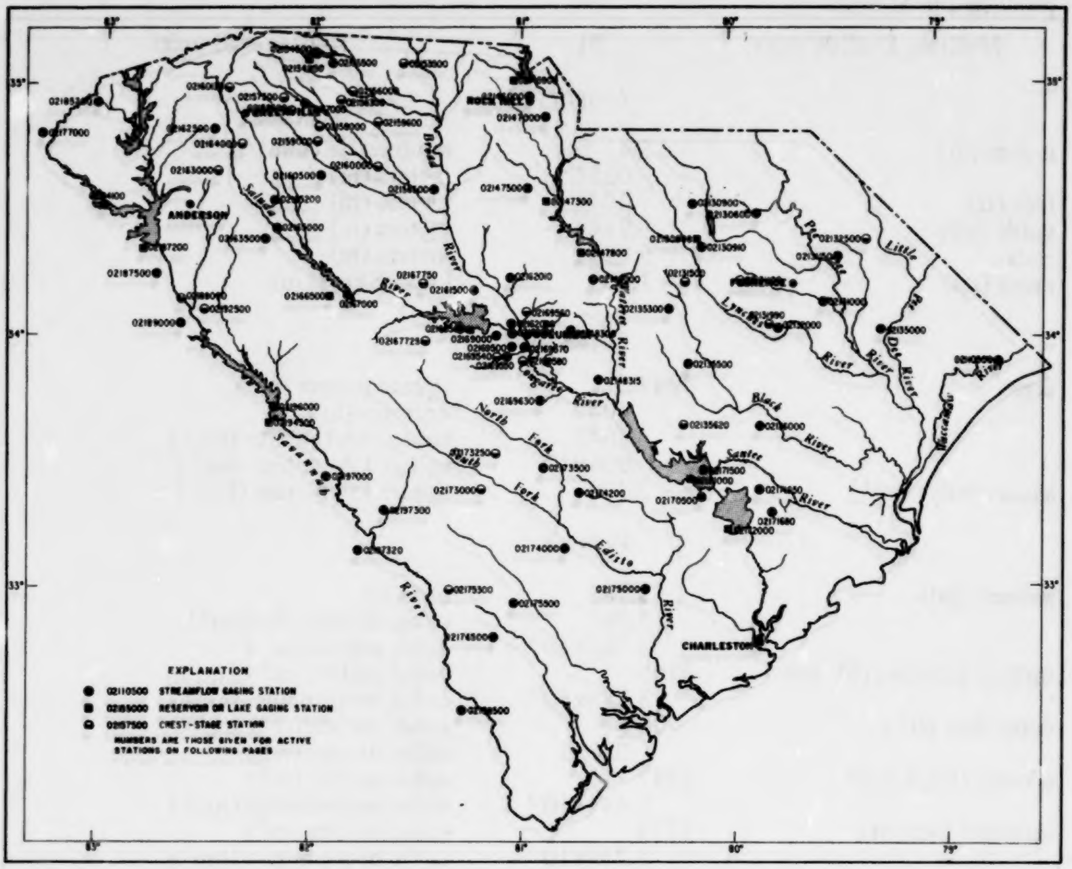
Table 4.--Factors for converting English units to International System (SI) units

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimeters (mm)
	.0254	meters (m)
feet (ft)	.3048	meters (m)
yards (yd)	.9144	meters (m)
rods	5.0292	meters (m)
miles (mi)	1.609	kilometers (km)
	Area	
acres	4047	square meters (m^2)
	.4047	*hectares (ha)
	.4047	square hectometer (hm^2)
	.004047	square kilometers (km^2)
square miles (mi^2)	2.590	square kilometers (km^2)
	Volume	
gallons (gal)	3.785	**liters (l)
	3.785	cubic decimeters (dm^3)
	$3.785\mathrm{x}10^{-3}$	cubic meters (m^3)
million gallons (10^6 gal)	3785	cubic meters (m^3)
	$3.785\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
cubic feet (ft^3)	28.32	cubic decimeters (dm^3)
	.02832	cubic meters (m^3)
cfs-day (ft^3/s-day)	2447	cubic meters (m^3)
	$2.447\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
acre-feet (acre-ft)	1233	cubic meters (m^3)
	$1.233\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
	$1.233\mathrm{x}10^{-6}$	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	liters per second (l/s)
	28.32	cubic decimeters per second (dm^3/s)
	.02832	cubic meters per second (m^3/s)
gallons per minute (gpm)	.06309	liters per second (l/s)
	.06309	cubic decimeters per second (dm^3/s)
	$6.309\mathrm{x}10^{-5}$	cubic meters per second (m^3/s)
million gallons per day (mgd)	43.81	cubic decimeters per second (dm^3/s)
	.04381	cubic meters per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)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02177000
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02171680
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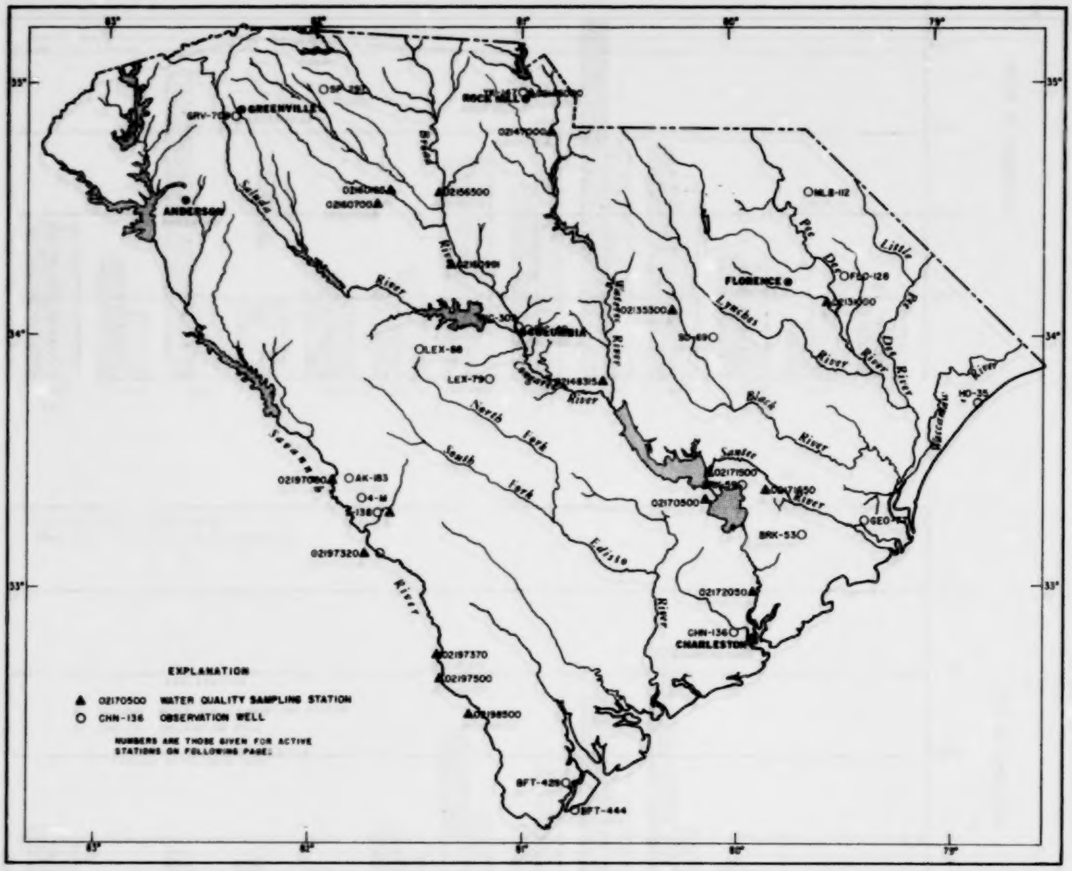
02170500
EXPLANATION
● 02110500 STREAMFLOW GAGING STATION
■ 02185000 RESERVOIR OR LAKE GAGING STATION
○ 02157500 CREST-STAGE STATION
NUMBERS ARE THOSE GIVEN FOR ACTIVE STATIONS ON FOLLOWING PAGES

Figure 1. Map of South Carolina showing location of active gaging stations.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02156500
LEX-98
LEX-79
COLUMBIA
Congaree
River
02169000
02148315
Wateree
River
02135300
SU-89
FLORENCE
NLB-112
FLO-128
02130900
Pee
Dee
River
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Dee
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Lynches
River
Black
River
Waccamaw
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HO-35
Santee
River
02171500
02171650
02170500
GEO
BRK-53
North
Fork
South
Fork
Edisto
River
02172050
CHN-136
CHARLESTON
Savannah
River
02197000
AK-183
4-M
-138
02197320
02197370
02197500
02198500
BFT-429
BFT-444
EXPLANATION
▲ 02170500 WATER QUALITY SAMPLING STATION
○ CHN-136 OBSERVATION WELL
NUMBERS ARE THOSE GIVEN FOR ACTIVE STATIONS ON FOLLOWING PAGE.

Figure 2. Map of South Carolina showing locations of active water quality stations and ground water wells.

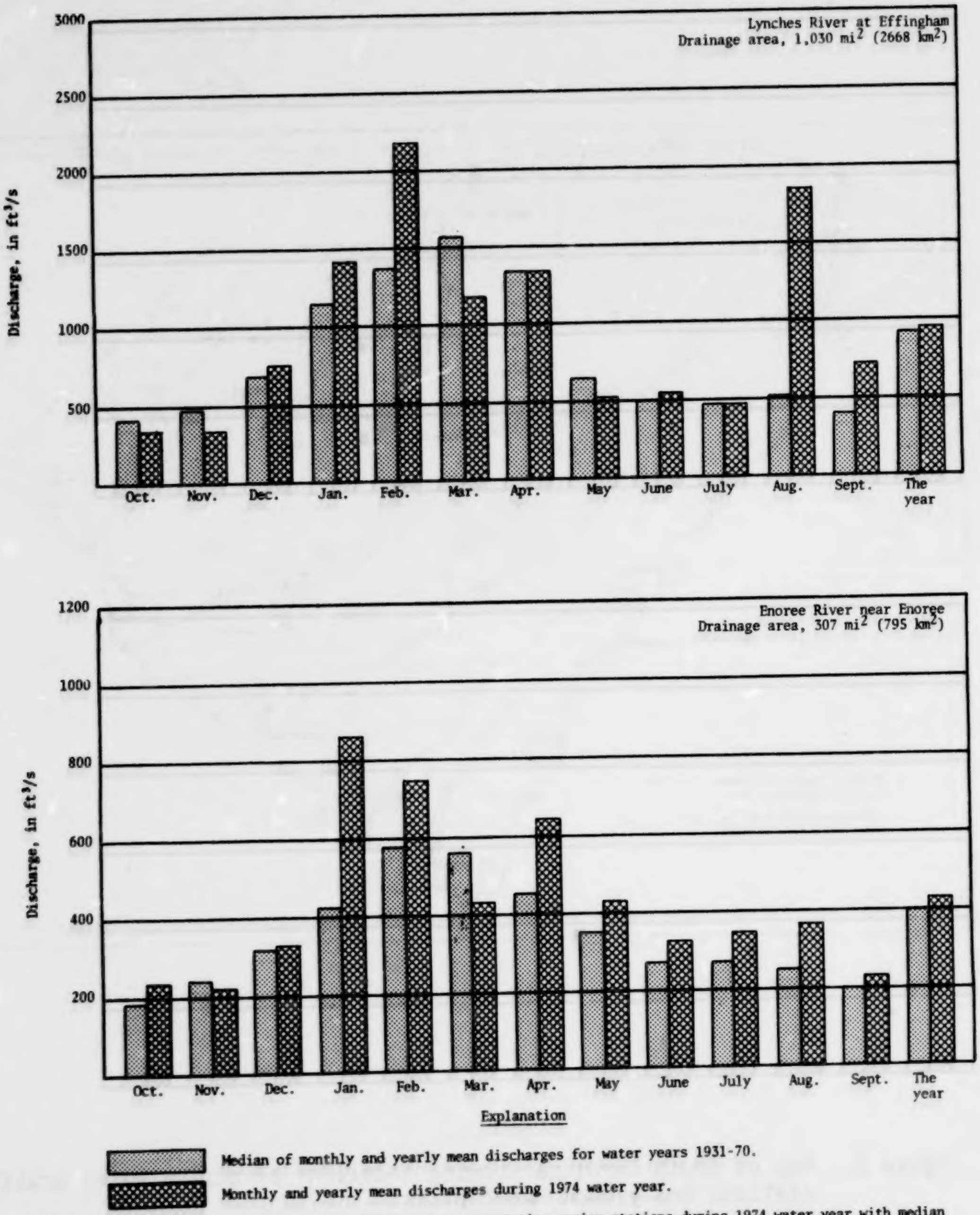

Figure 4. Comparison of discharge at two long-term representative gaging stations during 1974 water year with median discharge for water years 1931-70.

WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, S.C.

LOCATION.--Lat 33°54'45", long 78°42'55", Horry County, near right bank on downstream side of bridge on State Highway 9, 500 ft (152 m) downstream from Buck Creek, 2.1 mi (3.4 km) southeast of Longs, and at mile 85.4 (137.4 km).

DRAINAGE AREA.--1,110 mi² (2,875 km²), approximately.

PERIOD OF RECORD.--March 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5.28 ft (1.609 m) above mean sea level (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--24 years, 1,205 ft³/s (34.1 m³/s), 14.74 in/yr (374 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,720 ft³/s (162 m³/s) Aug. 26, gage height 12.01 ft (3.661 m); minimum 36 ft³/s (1.02 m³/s) Dec. 7, gage height 0.93 ft (0.283 m).

Period of record: Maximum discharge, 11,100 ft³/s (314 m³/s) about July 6, 1961, gage height, 13.94 ft (4.249 m) (from floodmark); minimum, 1 ft³/s (0.038 m³/s) Oct. 14, 1954.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	326	66	37	1,220	974	2,540	1,590	1,190	1,410	1,450	665	3,510
2	366	64	36	1,180	1,040	2,420	1,630	1,090	1,750	1,470	616	3,270
3	365	63	36	1,140	1,130	2,290	1,650	992	1,850	1,470	576	3,000
4	360	60	36	1,100	1,240	2,170	1,660	887	1,910	1,460	547	2,770
5	335	59	37	1,060	1,360	2,040	2,040	862	1,940	1,440	599	2,570
6	307	57	37	1,020	1,480	1,920	2,190	799	2,120	1,430	759	2,460
7	288	55	36	983	1,630	1,790	2,170	713	2,260	1,460	998	2,490
8	283	54	42	942	1,980	1,670	2,170	628	2,250	1,410	1,250	2,550
9	295	52	61	916	2,220	1,580	2,350	564	2,180	1,320	1,770	2,590
10	308	51	61	897	2,280	1,490	2,420	520	2,080	1,230	2,530	2,600
11	312	49	64	886	2,300	1,400	2,440	543	1,960	1,140	2,660	2,570
12	303	47	72	889	2,330	1,300	2,460	558	1,830	1,080	2,850	2,500
13	286	46	80	881	2,390	1,210	2,540	638	1,690	1,020	3,020	2,430
14	264	45	95	871	2,480	1,120	2,850	617	1,610	986	3,360	2,330
15	238	44	106	867	2,640	1,040	2,900	584	1,600	951	3,750	2,220
16	213	43	121	857	2,820	983	2,850	555	1,580	916	4,180	2,110
17	190	42	189	838	3,010	964	2,740	528	1,510	916	4,680	2,020
18	170	42	230	817	2,980	902	2,650	494	1,410	934	4,980	2,140
19	154	40	258	796	2,940	850	2,520	461	1,310	855	5,120	2,120
20	140	40	297	775	2,890	816	2,390	458	1,220	817	5,070	1,990
21	127	40	547	773	2,870	798	2,260	466	1,150	796	5,120	1,820
22	116	41	679	780	2,940	795	2,150	487	1,100	843	5,070	1,680
23	108	40	723	770	3,030	805	2,030	536	1,050	793	5,140	1,590
24	100	40	782	764	3,030	842	1,910	649	1,000	773	5,470	1,490
25	93	39	847	757	2,980	900	1,790	714	948	770	5,580	1,380
26	86	39	931	748	2,880	1,030	1,680	759	884	773	5,660	1,290
27	80	38	1,020	739	2,770	1,090	1,600	866	1,040	793	5,450	1,200
28	75	38	1,110	726	2,650	1,140	1,510	953	1,290	814	4,960	1,140
29	74	38	1,170	715	------	1,260	1,410	1,020	1,360	782	4,520	1,090
30	70	37	1,220	812	------	1,460	1,310	1,100	1,430	739	4,130	1,040
31	67	------	1,230	925	------	1,540	------	1,280	------	675	3,780	------
TOTAL	6,499	1,409	12,190	27,444	65,264	42,155	63,860	22,511	46,722	32,306	104,860	63,960
MEAN	210	47.0	393	885	2,331	1,360	2,129	726	1,557	1,042	3,383	2,132
MAX	366	66	1,230	1,220	3,030	2,540	2,900	1,280	2,260	1,470	5,660	3,510
MIN	67	37	36	715	974	795	1,310	458	884	675	547	1,040
CFSM	.19	.04	.35	.80	2.10	1.23	1.92	.65	1.40	.94	3.05	1.92
IN.	.22	.05	.41	.92	2.19	1.41	2.14	.75	1.57	1.08	3.51	2.14

CAL YR 1973 TOTAL 545,799 MEAN 1,495 MAX 8,560 MIN 36 CFSM 1.35 IN 18.29
WTR YR 1974 TOTAL 489,180 MEAN 1,340 MAX 5,660 MIN 36 CFSM 1.21 IN 16.39

02130600 CEDAR CREEK AT SOCIETY HILL, S.C.

LOCATION.--Lat 34°31'30", long 79°51'05", Darlington County, on upstream side of old highway bridge, 300 ft (91 m) below U.S. Highway 52, 0.3 mi (0.5 km) upstream from Seaboard Coast Line Railroad, at Society Hill, and at mile 1.7 (2.7 km).

DRAINAGE AREA.--55 mi^2 (142 km^2), approximately.

PERIOD OF RECORD.--October 1970 to current year. Occasional low-flow measurements, water years 1949-65.

GAGE.--Water-stage recorder. Altitude of gage is 70 ft (21 m) (from topographic map).

EXTREMES.--Current year: Maximum discharge, 555 ft^3/s (15.7 m^3/s) Apr. 8, gage height, 7.43 ft (2.265 m); minimum daily, 31 ft^3/s (0.878 m^3/s) July 4.

Period of record: Maximum discharge, 750 ft^3/s (21.2 m^3/s) June 23, 1973; maximum gage height, 12.24 ft (3.731 m) Apr. 3, 1973 (caused by backwater); minimum daily, 18 ft^3/s (0.51 m^3/s) July 18, 1971.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	47	57	111	106	96	122	43	58	37	80	52
2	61	49	56	257	104	94	103	42	60	34	82	52
3	66	49	55	346	99	92	86	42	81	32	81	59
4	65	49	56	255	113	90	82	41	170	31	88	72
5	59	49	57	187	114	87	118	45	207	34	112	78
6	53	49	57	157	100	86	220	56	114	41	293	80
7	49	49	60	153	100	84	484	65	74	57	208	84
8	46	49	71	145	117	82	540	65	56	130	173	101
9	45	50	103	123	172	81	375	52	52	288	293	96
10	45	52	134	111	222	78	232	52	60	230	215	78
11	45	52	183	103	158	77	132	55	74	177	181	64
12	44	52	132	96	121	77	89	63	85	137	121	56
13	43	52	92	92	103	81	82	83	66	88	92	49
14	43	52	91	89	96	84	83	91	48	57	82	47
15	43	53	90	88	100	87	84	100	51	46	87	46
16	43	53	109	88	127	85	87	72	54	41	104	45
17	42	53	146	90	208	86	88	51	53	43	120	47
18	42	52	157	89	260	88	79	51	53	58	137	52
19	41	52	156	86	223	90	71	52	47	55	148	58
20	41	52	131	82	172	86	66	69	42	47	104	56
21	41	54	126	83	137	85	62	75	38	43	78	48
22	41	56	115	86	137	86	60	73	35	46	69	52
23	43	60	118	87	145	86	58	65	34	60	65	59
24	43	62	106	87	151	85	56	70	32	65	63	57
25	43	61	90	84	147	87	54	73	32	50	70	51
26	43	58	81	81	122	102	53	70	34	49	74	48
27	42	57	78	82	106	112	52	72	37	60	68	47
28	42	56	78	85	99	119	50	79	43	68	60	46
29	43	56	78	86	------	111	49	77	45	74	59	44
30	45	56	75	124	------	126	46	61	41	75	58	43
31	46	------	80	105	------	120	------	53	------	64	53	------
TOTAL	1,441	1,591	3,018	3,738	3,659	2,830	3,763	1,958	1,876	2,317	3,518	1,767
MEAN	46.5	53.0	97.4	121	138	91.3	125	63.2	62.5	74.7	113	58.9
MAX	66	62	183	346	260	126	540	100	207	288	293	101
MIN	41	47	55	81	96	77	46	41	32	31	53	43
CFSM	.85	.96	1.77	2.20	2.51	1.66	2.27	1.15	1.14	1.36	2.05	1.07
IN.	.97	1.08	2.04	2.53	2.61	1.91	2.55	1.32	1.27	1.57	2.38	1.20

CAL YR 1973 TOTAL 43,703 MEAN 120 MAX 670 MIN 41 CFSM 2.18 IN 29.56
WTR YR 1974 TOTAL 31,676 MEAN 86.8 MAX 540 MIN 31 CFSM 1.58 IN 21.42

02130900 BLACK CREEK NEAR MCBEE, S.C.

LOCATION.--Lat 34°30'50", long 80°11'00", Chesterfield County, near right bank at downstream side of bridge on U.S. Highway 1, 0.2 mi mi (0.3 km) upstream from Little Alligator Creek, 5.3 mi (8.5 km) northeast of McBee, and at mile 59.1 (95.1 km).

DRAINAGE AREA.--108 mi^2 (280 km^2).

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1956-59.

GAGE.--Water-stage recorder. Datum of gage is 224.72 ft (68.495 m) above mean sea level. Prior to Dec. 22, 1959, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--15 years, 173 ft^3/s (4.899 m^3/s), 21.75 in/yr (552 mm/yr).

EXTREMES.--Current year: Maximum discharge, 471 ft^3/s (13.3 m^3/s) Aug. 10, gage height, 8.97 ft (2.734 m); minimum, 43 ft^3/s (1.22 m^3/s) July 3.

Period of record: Maximum discharge, 1,120 ft^3/s (31.7 m^3/s) Aug. 19, 1971, gage height, 10.44 ft (3.182 m); minimum, 21 ft^3/s (0.59 m^3/s) Sept. 25, 1968 and Oct. 3, 1968.

A discharge of 19.9 ft^3/s (0.56 m^3/s) was measured on Sept. 18, 1956.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	66	84	229	205	179	216	69	87	56	123	92
2	122	66	80	270	221	172	215	66	81	49	143	94
3	132	66	78	249	192	163	164	68	132	45	196	109
4	115	65	78	239	210	146	133	68	164	64	225	142
5	98	68	80	238	223	141	175	98	190	60	293	169
6	85	68	85	206	236	140	195	123	212	58	329	217
7	78	68	88	181	243	139	220	129	188	134	419	243
8	74	70	109	173	242	137	269	110	104	230	422	250
9	76	72	173	163	261	134	253	88	87	126	450	290
10	74	73	180	159	274	131	180	79	80	120	453	282
11	74	74	178	147	301	125	158	84	71	121	436	227
12	73	75	174	133	286	129	158	126	64	132	348	162
13	71	76	157	127	259	165	169	198	58	147	314	115
14	70	77	142	127	221	175	199	211	56	133	299	111
15	71	78	150	134	196	160	191	207	67	70	234	102
16	71	71	181	139	229	146	172	147	98	84	249	101
17	71	68	210	147	290	144	177	94	127	141	297	106
18	69	67	214	147	288	138	150	83	122	81	232	115
19	68	67	209	140	318	136	124	77	82	71	183	117
20	68	69	214	127	312	130	116	102	66	87	142	107
21	68	77	223	131	253	134	109	118	60	116	121	94
22	68	89	201	152	240	143	103	139	55	175	110	100
23	68	91	194	157	254	145	99	133	52	165	108	108
24	68	91	195	166	221	142	96	157	47	167	144	115
25	64	87	174	182	238	147	89	163	46	142	157	123
26	57	86	143	161	240	171	85	174	45	110	144	108
27	54	85	122	144	199	180	83	175	52	122	123	100
28	53	85	113	139	185	199	81	166	68	103	105	94
29	58	87	10[illegible]	158	------	202	77	182	72	113	95	92
30	62	85	107	194	------	212	72	194	64	128	92	85
31	64	------	139	204	------	211	------	144	------	110	93	------
TOTAL	2,349	2,267	4,595	5,263	6,837	4,816	4,526	3,972	2,697	3,460	7,077	4,170
MEAN	75.8	75.6	148	170	244	155	151	128	89.9	112	228	139
MAX	132	91	223	270	318	212	269	211	212	230	453	290
MIN	53	65	78	127	185	125	72	66	45	45	92	85
CFSM	.70	.70	1.37	1.57	2.26	1.44	1.40	1.19	.83	1.04	2.11	1.29
IN.	.81	.78	1.58	1.81	2.35	1.66	1.56	1.37	.93	1.19	2.44	1.44

CAL YR 1973 TOTAL 68,750 MEAN 188 MAX 700 MIN 53 CFSM 1.74 IN 23.68
WTR YR 1974 TOTAL 52,029 MEAN 143 MAX 453 MIN 45 CFSM 1.32 IN 17.92

PEAK DISCHARGE (BASE, 500 CFS).--No peaks above base.

02130910 BLACK CREEK NEAR HARTSVILLE, S.C.

LOCATION.--Lat 34°23'50", long 80°09'00", Darlington County, at downstream side of highway bridge, 1,000 ft (300 m) downstream from dam at H. B. Robinson steam electric plant, 2.1 mi (3.4 km) upstream from Beaverdam Creek, 4.6 mi (7.4 km) west of Hartsville and at mile 49.9 (80.3 km).

DRAINAGE AREA.--173 mi² (448 km²).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 160 ft (49 m) from topographic map).

AVERAGE DISCHARGE.--14 years, 240 ft³/s (6.797 m³/s), 18.84 in/yr (479 mm/yr).

EXTREMES.--Current year: Maximum discharge, 624 ft³/s (17.7 m³/s) Aug. 9, gage height, 7.40 ft (2.256 m); minimum, 88 ft³/s (2.49 m³/s) July 3.

Period of record: Maximum discharge, 2,010 ft³/s (56.9 m³/s), Aug. 18, 1971, gage height, 10.08 ft (3.072 m); minimum, 51 ft³/s (1.44 m³/s) July 14, 1970.

REMARKS.--Records good. Some regulation by storage in steam electric plant reservoir above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	111	146	289	262	286	277	132	247	96	200	167
2	149	111	143	332	265	278	279	129	227	94	209	167
3	156	112	139	339	278	268	279	126	228	91	227	164
4	162	116	133	342	275	258	273	126	221	91	290	169
5	163	116	136	357	268	249	309	137	218	94	351	172
6	157	115	143	346	275	242	304	142	226	98	402	202
7	150	114	143	339	306	233	289	149	236	118	438	236
8	142	115	168	321	342	226	294	151	234	201	506	253
9	139	121	221	298	344	219	319	151	213	227	593	267
10	137	118	207	290	335	216	315	151	198	227	580	282
11	133	114	213	279	346	205	294	148	182	214	492	291
12	129	116	211	271	340	197	279	174	166	190	391	286
13	127	114	224	253	344	202	272	207	148	183	395	274
14	126	116	254	234	333	200	285	219	138	173	405	260
15	125	118	249	229	339	203	287	232	130	164	390	236
16	124	123	271	227	359	212	282	237	127	154	370	214
17	124	121	284	225	376	219	271	228	136	150	367	205
18	114	119	363	225	370	208	262	213	140	146	365	203
19	115	120	294	219	372	203	249	199	141	140	344	190
20	117	120	273	215	386	208	230	203	136	136	316	181
21	117	124	295	221	382	209	211	194	130	137	286	170
22	116	134	297	224	370	212	194	190	123	148	260	174
23	116	140	289	221	365	203	186	203	114	155	241	164
24	118	144	285	225	350	204	180	215	111	160	226	153
25	114	144	282	240	337	220	163	218	104	176	217	147
26	111	147	272	243	321	221	152	218	96	194	212	147
27	109	144	266	237	310	228	147	236	97	194	206	148
28	107	145	249	234	295	235	143	235	96	196	195	146
29	108	147	233	240	------	261	138	232	98	184	182	145
30	105	145	226	255	------	282	135	244	98	177	171	144
31	106	------	227	260	------	282	------	260	------	179	169	------
TOTAL	3,966	3,744	7,133	8,230	9,245	7,089	7,298	5,899	4,759	4,887	9,996	5,957
MEAN	128	125	230	265	330	229	243	190	159	158	322	199
MAX	163	147	363	357	386	286	319	260	247	227	593	291
MIN	105	111	133	215	262	197	135	126	96	91	169	144
CFSM	.74	.72	1.33	1.53	1.91	1.32	1.40	1.10	.92	.91	1.86	1.15
IN.	.85	.81	1.53	1.77	1.99	1.52	1.57	1.27	1.02	1.05	2.15	1.28

CAL YR 1973 TOTAL 103,282 MEAN 283 MAX 943 MIN 105 CFSM 1.64 IN 22.21
WTR YR 1974 TOTAL 78,283 MEAN 214 MAX 593 MIN 91 CFSM 1.24 IN 16.82

02131000 PEE DEE RIVER AT PEEDEE, S.C.

LOCATION.--Lat 34°12'15", long 79°32'55", Marion County, in pier of bridge on U.S. Highway 76 at Peedee, 0.2 mi (0.3 km) downstream from Seaboard Coast Line Railroad bridge, 8.2 mi (13.2 km) downstream from Black Creek, and at mile 100.2 (161.2 km).

DRAINAGE AREA.--8,830 mi² (22,870 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1947, published as "near Mars Bluff". Gage-height records collected at practically same site since 1923 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 24.73 ft (7.537 m) above mean sea level. Prior to Oct. 1, 1947, at site 1.6 mi (2.6 km) downstream at datum 23.46 ft (7.151 m) above sea level.

AVERAGE DISCHARGE.--36 years, 9,493 ft³/s (268.8 m³/s), 14.60 in/yr (371 mm/yr).

EXTREMES.--Current year: Maximum discharge, 35,800 ft³/s (1,110 m³/s) Apr. 12, gage height, 22.45 ft (6.843 m); minimum daily, 2,190 ft³/s (62.0 m³/s) Nov. 27.

Period of record: Maximum discharge, 220,000 ft³/s (6,230 m³/s) Sept. 22, 1945, gage height, 33.30 ft (10.150 m) (site and datum then in use) from rating curve extended above 48,000 ft³/s (1,360 m³/s) on basis of discharge measurement of 221,000 ft³/s (6,260 m³/s) at Cheraw; minimum, 700 ft³/s (19.8 m³/s) Sept. 29, 1954, gage height, 0.60 ft (0.18 m) (from graph based on gage readings).

REMARKS.--Records fair. Flow regulated by six powerplants above station. Combined usable capacity of reservoirs, 30,819,624,000 ft³/s (872,811,800 m³). Records of chemical analyses are published in part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1233: Drainage area. WSP 1623: 1933, 1941-51 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,610	4,820	5,960	12,500	25,600	18,200	16,400	7,350	13,800	3,870	6,420	5,060
2	3,370	5,180	5,070	15,500	26,100	17,200	17,400	6,960	13,300	3,140	6,550	4,090
3	5,770	5,430	2,870	18,000	24,100	16,000	16,900	6,100	12,400	6,540	6,810	3,120
4	7,310	5,390	2,440	19,600	22,400	15,000	16,900	6,160	10,000	7,710	8,090	6,610
5	6,850	4,700	4,830	22,300	22,800	14,200	16,400	6,240	9,490	6,810	9,870	8,660
6	6,280	3,950	5,330	24,900	24,300	13,600	17,500	5,540	9,920	4,500	10,900	8,980
7	5,330	5,050	5,700	24,900	25,500	13,100	19,500	7,860	10,300	5,820	14,600	10,200
8	2,990	5,530	5,910	22,500	25,500	12,600	22,400	9,150	10,300	5,030	18,100	14,000
9	2,770	5,590	5,770	19,500	24,800	12,200	26,300	9,470	8,510	6,900	19,000	17,600
10	5,170	5,980	5,070	17,400	25,200	11,800	30,100	9,320	7,360	9,650	19,700	18,600
11	5,800	5,740	3,950	16,200	26,600	11,500	33,200	9,120	5,440	10,400	20,300	18,600
12	5,950	3,690	5,380	15,300	28,000	11,300	35,100	9,280	5,980	9,500	20,100	17,400
13	5,650	3,000	7,360	14,600	27,600	11,100	35,000	10,100	7,270	8,690	19,100	15,700
14	5,150	4,400	8,380	13,700	25,300	10,800	32,200	11,500	8,090	7,440	17,700	14,100
15	2,700	4,700	8,970	13,000	22,700	9,620	28,000	12,300	6,820	5,120	16,100	12,100
16	2,550	5,700	9,340	12,400	20,500	8,570	24,600	12,300	5,470	3,300	15,100	8,940
17	4,750	5,800	9,780	12,000	19,000	8,710	21,300	12,400	4,130	5,930	14,600	5,940
18	5,250	4,900	9,610	11,700	19,100	6,750	19,000	12,300	4,710	7,120	13,500	8,000
19	4,950	3,500	8,670	11,500	20,100	5,650	17,300	11,800	7,870	7,840	10,500	10,000
20	4,850	2,850	9,090	11,200	21,100	7,620	16,100	10,700	9,160	8,520	7,790	10,700
21	5,000	4,910	10,200	11,100	21,500	9,520	15,000	9,100	8,960	7,140	8,510	10,900
22	3,700	5,740	11,000	11,300	21,600	10,300	14,200	10,200	8,420	3,660	9,570	10,400
23	2,300	5,040	12,100	14,000	21,300	9,720	13,300	10,900	8,120	3,140	9,130	7,940
24	2,900	3,210	13,200	16,800	21,200	9,060	12,400	11,100	6,860	6,680	8,560	4,510
25	5,000	4,150	13,300	17,800	21,400	7,740	11,700	12,100	3,890	6,630	7,700	6,340
26	5,350	2,480	12,600	18,200	21,100	6,260	11,100	13,900	4,780	5,620	5,740	8,520
27	4,950	2,190	12,000	18,600	20,200	9,300	10,700	13,700	6,190	4,480	4,580	9,130
28	3,600	4,260	11,500	19,100	19,200	10,600	10,200	13,600	7,200	3,190	7,350	9,240
29	2,300	5,820	11,300	20,000	------	10,900	7,860	14,300	8,230	2,600	8,640	7,820
30	2,360	5,560	11,200	21,500	------	11,500	5,530	14,600	6,980	3,050	7,540	4,350
31	4,510	------	11,200	23,600	------	13,600	------	14,300	------	5,820	6,080	------
TOTAL	139,020	139,260	259,080	520,700	643,800	344,020	573,590	323,750	239,950	185,840	358,230	297,550
MEAN	4,485	4,642	8,357	16,800	22,990	11,100	19,120	10,440	7,998	5,995	11,560	9,918
MAX	7,310	5,980	13,300	24,900	28,000	18,200	35,100	14,600	13,800	10,400	20,300	18,600
MIN	2,300	2,190	2,440	11,100	19,000	5,650	5,530	5,540	3,890	2,600	4,580	3,120
CFSM	.51	.53	.95	1.90	2.60	1.26	2.17	1.18	.91	.68	1.31	1.12
IN.	.59	.59	1.09	2.19	2.71	1.45	2.42	1.36	1.01	.78	1.51	1.25

CAL YR 1973 TOTAL 5,165,030 MEAN 14,150 MAX 72,200 MIN 2,190 CFSM 1.60 IN 21.76
WTR YR 1974 TOTAL 4,024,790 MEAN 11,030 MAX 35,100 MIN 2,190 CFSM 1.25 IN 16.96

02131150 CATFISH CANAL AT SELLERS, S.C.

LOCATION.--Lat 34°17'04", long 79°26'32", Marion County, on right downstream wingwall of bridge on State Highway 38, 2.0 mi (3.2 km) east of Sellers, 2.3 mi (3.7 km) upstream from Stackhouse Creek, and at mile 25.6 (41.2 km).

DRAINAGE AREA.--28 mi^2 (73 km^2), approximately.

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 75 ft (23 m) (from topographic map).

AVERAGE DISCHARGE.--7 years, 30.6 ft^3/s (0.867 m^3/s), 14.84 in/yr (377 mm/yr).

EXTREMES.--Current year: Maximum discharge 557 ft^3/s (15.8 m^3/s) Aug. 7, gage height, 8.39 ft (2.557 m); minimum daily, 3.2 ft^3/s (0.091 m^3/s) Nov. 4, 5, 13, 15.

Period of record: Maximum discharge, 890 ft^3/s (25.2 m^3/s), Mar. 4, 1971, gage height, 9.15 ft (2.789 m); minimum daily, 0.10 ft^3/s (0.003 m^3/s) Oct. 5, 1968.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	4.3	6.7	50	81	48	33	8.7	8.5	4.1	164	41
2	30	3.8	6.7	200	75	44	28	8.2	42	3.8	81	56
3	33	3.5	6.5	164	70	41	26	7.8	36	3.6	92	39
4	28	3.2	6.3	113	58	39	23	7.3	22	3.5	161	64
5	22	3.2	6.5	148	49	37	47	9.4	16	3.5	284	51
6	15	3.6	6.3	135	44	35	41	9.4	15	3.9	454	77
7	13	3.5	5.7	92	47	33	34	8.7	13	12	490	205
8	12	3.5	14	68	79	31	30	8.0	11	51	313	150
9	11	3.5	43	57	85	29	40	7.8	10	24	249	100
10	9.8	3.6	26	50	68	28	37	8.0	8.9	37	210	76
11	9.4	3.5	16	48	58	26	31	7.8	8.0	17	155	61
12	8.7	3.3	12	51	52	27	27	13	7.1	23	120	52
13	8.2	3.2	11	42	47	31	45	19	6.3	16	100	44
14	8.0	3.3	25	38	44	28	91	13	5.9	12	95	39
15	7.8	3.2	23	42	66	26	59	10	5.9	9.6	260	35
16	7.1	3.3	55	40	101	42	44	9.4	5.5	8.2	170	33
17	6.9	3.3	137	36	134	58	36	8.2	5.1	7.6	130	54
18	6.5	3.3	97	32	96	46	30	7.6	4.8	6.7	90	129
19	6.0	3.8	62	30	84	41	26	7.3	4.6	6.0	65	79
20	5.7	3.6	84	29	91	42	22	12	4.3	6.3	60	60
21	5.5	4.3	163	36	76	42	20	10	4.1	5.9	55	50
22	5.1	6.7	97	37	87	41	18	13	3.9	5.9	54	44
23	4.8	6.5	64	33	97	36	17	15	3.9	5.3	52	41
24	4.4	6.0	52	29	80	33	15	18	4.6	5.1	67	35
25	4.3	6.7	44	27	69	35	14	14	4.3	4.9	61	32
26	3.9	8.0	41	25	61	40	13	12	3.8	5.3	50	31
27	3.6	6.7	39	25	55	36	12	15	8.2	15	44	27
28	3.5	6.9	35	24	51	33	11	12	6.9	20	39	25
29	3.8	8.0	32	46	------	36	10	11	5.5	9.6	34	22
30	3.9	7.3	29	152	------	48	9.4	9.4	4.6	7.3	29	19
31	3.8	------	42	115	------	40	------	8.7	------	35	27	------
TOTAL	352.7	136.6	1,287.7	2,014	2,005	1,152	889.4	328.7	289.7	378.1	4,255	1,771
MEAN	11.4	4.55	41.5	65.0	71.6	37.2	29.6	10.6	9.66	12.2	137	59.0
MAX	58	8.0	163	200	134	58	91	19	42	51	490	205
MIN	3.5	3.2	5.7	24	44	26	9.4	7.3	3.8	3.5	27	19
CFSM	.41	.16	1.48	2.32	2.56	1.33	1.06	.38	.35	.44	4.89	2.11
IN.	.47	.18	1.71	2.68	2.66	1.53	1.18	.44	.38	.50	5.65	2.35

CAL YR 1973 TOTAL 12,258.6 MEAN 33.6 MAX 265 MIN 2.1 CFSM 1.20 IN 16.29
WTR YR 1974 TOTAL 14,859.9 MEAN 40.7 MAX 490 MIN 3.2 CFSM 1.45 IN 19.74

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0215	4.92	182	8-7	0115	8.39	557
1-2	1145	5.61	217	8-15	Unknown	Unknown	300
1-30	0545	4.55	152	9-7	1145	5.87	225
2-16	2300	4.34	153	9-18	0100	4.75	160
8-1	0145	5.91	232				

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.

LOCATION.--Lat 34°03'05", long 79°45'15", Florence County, on left bank at downstream side of bridge on U.S. Highway 52, 75 ft (23 m) upstream from Seaboard Coast Line Railroad bridge, 1 mi (1.6 km) south of Effingham, and at mile 43.4 (69.8 km).

DRAINAGE AREA.--1,030 mi^2 (2,670 km^2), approximately.

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1891 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 58.49 ft (17.828 m) above mean sea level. Prior to Sept. 7, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--45 years, 1,006 ft^3/s (28.49 m^3/s), 13.26 in/yr (337 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,550 ft^3/s (100 m^3/s) Aug. 15, gage height, 12.18 ft (3.712 m); minimum, 253 ft^3/s (7.16 m^3/s) June 26.

Period of record: Maximum discharge, 25,000 ft^3/s (708 m^3/s) Sept. 22, 1945, gage height, 21.21 ft (6.465 m), from rating curve extended above 17,000 ft^3/s (481 m^3/s); minimum, 94 ft^3/s (2.66 m^3/s) Oct. 10, 1954.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	305	263	375	767	1,720	1,790	1,250	480	904	350	519	517
2	309	277	376	948	1,730	1,690	1,260	461	1,090	356	583	525
3	340	301	375	1,180	1,790	1,680	1,260	439	1,160	324	618	503
4	390	315	373	1,490	1,780	1,580	1,260	416	960	287	649	492
5	454	317	367	1,850	1,770	1,370	1,420	398	745	283	859	480
6	518	310	362	2,020	1,790	1,200	1,600	392	627	300	2,250	608
7	572	303	359	2,120	1,840	1,080	1,590	394	611	304	3,020	1,030
8	582	298	384	2,230	1,990	1,010	1,440	414	689	315	3,080	1,140
9	505	296	470	2,340	2,090	950	1,370	466	790	475	3,110	1,060
10	422	294	526	2,380	2,060	904	1,420	539	923	537	2,970	1,020
11	376	297	541	2,240	2,010	860	1,520	575	968	589	2,700	1,010
12	343	298	575	1,960	1,880	822	1,740	555	767	650	2,570	1,030
13	322	303	629	1,650	1,740	820	2,380	549	601	683	2,930	1,070
14	311	310	700	1,390	1,700	808	2,690	497	497	740	3,490	1,110
15	304	317	745	1,240	1,870	786	2,490	491	416	751	3,480	1,090
16	294	322	774	1,140	2,390	870	2,110	551	362	653	3,210	893
17	285	324	850	1,080	2,960	1,140	1,690	633	329	478	2,870	687
18	280	325	889	1,020	3,010	1,160	1,370	707	307	361	2,470	678
19	278	329	911	980	2,800	1,110	1,210	714	297	346	2,090	730
20	277	331	993	955	2,590	1,080	1,170	567	308	361	1,820	703
21	276	332	1,150	975	2,410	1,060	1,170	461	341	372	1,720	651
22	270	337	1,200	1,000	2,340	1,060	1,130	411	343	389	1,630	610
23	266	340	1,200	963	2,420	1,070	1,000	409	307	358	1,540	590
24	261	347	1,190	928	2,550	1,060	836	466	287	350	1,470	576
25	261	358	1,150	926	2,660	1,030	727	510	268	412	1,240	560
26	262	378	1,100	963	2,610	1,050	666	500	260	528	951	563
27	263	392	1,080	1,030	2,380	1,040	623	513	261	619	811	572
28	263	397	1,080	1,120	2,040	1,020	589	583	283	659	758	560
29	266	392	1,040	1,290	------	1,070	547	655	286	670	710	513
30	263	379	904	1,790	------	1,210	511	661	311	536	635	471
31	260	------	806	1,850	------	1,240	------	745	------	459	553	------
TOTAL	10,378	9,782	23,474	43,815	60,920	34,620	40,039	16,152	16,298	14,495	57,306	22,042
MEAN	335	326	757	1,413	2,176	1,117	1,335	521	543	468	1,849	735
MAX	582	397	1,200	2,380	3,010	1,790	2,690	745	1,160	751	3,490	1,140
MIN	260	263	359	767	1,700	786	511	392	260	283	519	471
CFSM	.33	.32	.74	1.37	2.11	1.08	1.30	.51	.53	.45	1.80	.71
IN.	.37	.35	.85	1.58	2.20	1.25	1.45	.58	.59	.52	2.07	.80

CAL YR 1973 TOTAL 569,639 MEAN 1,561 MAX 9,450 MIN 260 CFSM 1.52 IN 20.57
WTR YR 1974 TOTAL 349,321 MEAN 957 MAX 3,490 MIN 260 CFSM .93 IN 12.62

02135000 LITTLE PEE DEE RIVER AT GALIVANTS FERRY, S.C.

LOCATION.--Lat 34°03'25", long 79°14'50", Horry-Marion County line, near left bank on downstream side of bridge on U.S. Highway 501, at Galivants Ferry, 1.0 mi (1.6 km) downstream from Lake Swamp, and at mile 41.7 (67.1 km).

DRAINAGE AREA.--2,790 mi^2 (7,230 km), approximately.

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 23.95 ft (7.300 m) above mean sea level. Prior to July 26, 1967, nonrecording gage and crest-stage at same site and datum.

AVERAGE DISCHARGE.--33 years, 3,242 ft^3/s (91.81 m^3/s), 15.78 in/yr (401 mm/yr).

EXTREMES.--Current year: Maximum discharge, 21,600 ft^3/s (612 m^3/s) Aug. 12, gage height, 11.79 ft (3.594 m); minimum 420 ft^3/s (11.9 m^3/s) Nov. 2, 3, gage height, 4.14 ft (1.262 m).

Period of record: Maximum discharge, 27,600 ft^3/s (782 m^3/s) Oct. 9, 10, 1964, gage height, 13.01 ft (3.965 m); minimum, 155 ft^3/s (4.39 m^3/s) Oct. 12, 13, 1954.
Maximum stage known, 16.0 ft (4.877 m) in September 1928, from floodmark set by local resident.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,030	433	597	4,600	4,910	7,400	4,340	1,850	5,710	1,240	1,440	5,670
2	1,110	423	610	4,450	5,890	7,130	4,340	1,730	5,740	1,200	1,530	5,200
3	1,230	427	614	4,340	6,480	6,920	4,280	1,620	5,990	1,110	1,710	4,840
4	1,310	440	620	4,310	6,840	6,600	4,230	1,500	6,220	1,030	1,990	4,540
5	1,290	450	637	4,510	7,040	6,250	4,420	1,440	6,110	983	3,000	4,310
6	1,230	454	661	4,810	7,040	5,920	4,630	1,340	5,890	952	5,300	4,200
7	1,170	454	658	5,300	7,090	5,570	4,910	1,260	5,600	969	8,630	4,250
8	1,070	464	719	5,890	7,170	5,200	5,100	1,200	5,200	969	13,900	4,200
9	965	460	844	6,450	7,210	4,810	5,230	1,150	4,910	965	18,100	4,140
10	886	460	914	6,680	7,440	4,510	5,200	1,110	4,510	1,040	19,800	4,090
11	823	477	1,000	6,800	7,640	4,200	5,200	1,080	4,090	1,190	21,200	3,950
12	753	491	1,090	6,760	7,600	3,950	5,160	1,100	3,600	1,390	21,400	4,120
13	702	491	1,170	6,560	7,480	3,700	5,030	1,160	3,080	1,540	20,600	4,480
14	661	481	1,260	6,330	7,400	3,400	5,000	1,200	2,610	1,700	20,100	4,750
15	631	477	1,310	6,110	7,440	3,150	5,100	1,260	2,140	1,740	19,900	4,810
16	607	487	1,420	5,850	7,600	3,240	5,200	1,300	1,850	1,690	19,300	4,750
17	590	494	1,590	5,570	7,880	3,520	5,130	1,340	1,620	1,630	17,800	4,720
18	570	501	1,740	5,260	8,460	3,880	4,970	1,360	1,470	1,580	16,400	4,810
19	549	522	1,940	5,000	8,810	4,400	4,750	1,450	1,390	1,540	16,100	4,910
20	529	525	2,320	4,690	9,120	4,600	4,570	1,610	1,360	1,480	15,000	5,160
21	518	518	2,820	4,480	9,250	4,690	4,370	1,960	1,310	1,380	12,900	5,330
22	505	532	3,240	4,250	9,440	4,780	4,120	2,950	1,240	1,240	11,100	5,430
23	491	543	3,850	4,030	9,160	4,840	3,850	4,170	1,160	1,130	9,620	5,600
24	474	553	4,400	3,900	8,810	4,840	3,520	4,630	1,110	1,060	8,630	5,570
25	470	560	4,970	3,750	8,500	4,810	3,200	4,570	1,080	1,030	8,080	5,570
26	464	563	5,360	3,600	8,210	4,720	2,910	4,690	1,060	1,040	7,640	5,500
27	457	556	5,430	3,430	7,920	4,570	2,660	5,100	1,130	1,080	7,290	5,260
28	447	563	5,330	3,310	7,680	4,510	2,430	5,400	1,200	1,150	7,090	4,940
29	440	576	5,100	3,360	------	4,450	2,220	5,740	1,260	1,210	6,960	4,540
30	433	583	4,940	3,670	------	4,400	1,990	5,920	1,260	1,270	6,680	4,090
31	433	------	4,780	4,120	------	4,340	------	5,810	------	1,310	6,180	------
TOTAL	22,838	14,958	71,934	152,170	215,510	149,300	128,060	78,000	90,900	38,838	355,370	143,730
MEAN	737	499	2,320	4,909	7,697	4,816	4,269	2,516	3,030	1,253	11,460	4,791
MAX	1,310	583	5,430	6,800	9,440	7,400	5,230	5,920	6,220	1,740	21,400	5,670
MIN	433	423	597	3,310	4,910	3,150	1,990	1,080	1,060	952	1,440	3,950
CFSM	.26	.18	.83	1.76	2.76	1.73	1.53	.90	1.09	.45	4.11	1.72
IN.	.30	.20	.96	2.03	2.87	1.99	1.71	1.04	1.21	.52	4.74	1.92

CAL YR 1973 TOTAL 1,803,084 MEAN 4,940 MAX 21,900 MIN 423 CFSM 1.77 IN 24.04
WTR YR 1974 TOTAL 1,461,608 MEAN 4,004 MAX 21,400 MIN 423 CFSM 1.44 IN 19.49

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.

(Hydrologic bench-mark station)

LOCATION.--Lat 34°09'02", long 80°18'18", Lee County, at bridge on U.S. Highway 15, 0.1 mi (0.2 km) downstream from Beaverdam Creek, 0.9 mi (1.4 km) upstream from Seaboard Coast Line Railroad bridge and 5.8 mi (9.3 km) southwest of Bishopville.

DRAINAGE AREA.--70 mi^2 (181 km^2), approximately.

PERIOD OF RECORD.--July 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 170 ft (52 m) (from topographic map).

AVERAGE DISCHARGE.--6 years, 108 ft^3/s (3.06 m^3/s), 20.95 in/yr (532 mm/yr).

EXTREMES.--Current year: Maximum discharge, 273 ft^3/s (7.73 m^3/s) Feb. 19, gage height 6.07 ft (1.850 m); minimum daily, 17 ft^3/s (0.48 m^3/s). July 3, 4.

Period of record: Maximum discharge 1,330 ft^3/s (37.7 m^3/s), Mar. 5, 1971, gage height, 8.09 ft (2.466 m); minimum daily, 6.7 ft^3/s (0.2 m^3/s) July 21, 1970.

REMARKS.--Records fair. Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	40	50	121	161	111	155	35	40	18	59	33
2	40	42	50	222	152	104	149	32	36	18	74	32
3	45	41	48	264	141	98	135	31	39	18	100	45
4	45	41	47	256	130	94	119	31	36	17	127	99
5	40	41	47	252	117	90	156	37	33	17	185	105
6	40	40	57	239	105	86	202	48	31	19	249	110
7	35	39	60	219	103	83	241	53	30	31	244	132
8	35	40	72	196	117	79	239	56	29	65	256	156
9	33	41	121	177	138	75	234	59	30	89	239	166
10	33	41	138	158	160	71	202	61	29	72	208	158
11	30	41	135	139	164	68	174	43	28	66	178	139
12	30	41	121	127	152	68	150	60	25	62	146	112
13	30	42	109	121	134	88	135	103	23	65	122	84
14	30	43	121	116	118	95	124	90	21	61	113	52
15	30	44	141	114	122	94	118	68	21	42	117	43
16	30	44	160	113	153	99	137	61	20	35	202	39
17	30	44	192	109	213	106	189	46	20	70	189	41
18	30	44	211	104	245	100	166	36	20	48	158	46
19	30	44	196	99	266	101	136	32	20	35	129	45
20	30	45	182	94	247	110	110	76	19	29	110	41
21	30	46	172	101	212	110	90	139	18	27	100	38
22	30	56	165	107	197	111	70	163	18	31	89	41
23	32	61	151	104	198	108	61	143	18	31	61	56
24	32	59	133	101	185	104	55	132	20	30	62	63
25	30	55	120	97	163	104	51	109	19	29	54	68
26	30	51	109	94	148	113	48	69	19	39	44	70
27	31	50	99	91	135	115	46	70	19	40	40	56
28	31	50	90	86	121	114	43	76	20	58	36	47
29	34	53	82	89	------	119	41	68	20	60	33	45
30	36	51	78	122	------	140	38	59	19	51	32	42
31	37	------	91	150	------	158	------	47	------	51	34	------
TOTAL	1,034	1,370	3,548	4,382	4,497	3,116	3,814	2,133	740	1,324	3,790	2,204
MEAN	33.4	45.7	114	141	161	101	127	68.8	24.7	42.7	122	73.5
MAX	45	61	211	264	266	158	241	163	40	89	256	166
MIN	30	39	47	86	103	68	38	31	18	17	32	32
CFSM	.48	.65	1.63	2.01	2.30	1.44	1.81	.98	.35	.61	1.74	1.05
IN.	.55	.73	1.89	2.33	2.39	1.66	2.03	1.13	.39	.70	2.01	1.17

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CAL YR 1973   TOTAL 46,437   MEAN 127     MAX 640   MIN 28   CFSM 1.81   IN 24.68
WTR YR 1974   TOTAL 31,952   MEAN  87.5   MAX 266   MIN 17   CFSM 1.25   IN 16.98
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PEAK DISCHARGE (BASE, 500 CFS).--No peaks above base.

02135500 BLACK RIVER NEAR GABLE, S.C.

LOCATION.--Lat 33°54'00", long 80°09'55", Clarendon County, near left bank on downstream side of McBride Crossing on U.S. Highway 378, 1 mi (1.6 km) downstream from Church Branch, 6.3 mi (10.1 km) northwest of Gable, and at mile 123.1 (198.1 km).

DRAINAGE AREA.--401 mi^2 (1,039 km^2).

PERIOD OF RECORD.--June 1951 to June 1966, April 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 95 ft (29 m)(from topographic map). Crest-stage station October 1970 to September 1971 at same site and datum. Prior to Dec. 9, 1955, wire-weight gage at same site and datum.

AVERAGE DISCHARGE.--16 years, 392 ft^3/s (11.10 m^3/s), 13.28 in/yr (337 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,540 ft^3/s (71.9 m^3/s), Aug. 6, gage height, 4.79 ft (1.460 m); minimum daily, 10 ft^3/s (0.283 m^3/s) June 25, 26, July 3.

Period of record: Maximum discharge, 12,500 ft^3/s (354 m^3/s) Mar. 5, 1971, gage height, 6.82 ft (2.079 m); maximum gage height, 6.92 ft (2.109 m) June 13, 1973; no flow for several days in 1954, 1956, 1957.

REMARKS.--Records good except those below 15 ft^3/s (0.425 m^3/s) which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	27	66	245	529	559	539	84	112	13	119	79
2	50	27	66	355	634	490	549	71	180	11	76	79
3	49	28	66	495	612	436	519	65	150	10	112	67
4	46	28	66	700	569	400	481	59	112	12	329	55
5	48	29	69	1,140	549	373	539	65	90	13	656	53
6	51	29	80	1,190	490	346	580	69	76	17	1,920	76
7	55	30	78	1,090	500	338	601	67	61	22	2,330	164
8	59	32	119	967	590	313	691	61	50	32	2,040	231
9	63	33	196	865	668	297	828	59	44	63	1,800	297
10	66	32	209	751	776	282	902	55	36	76	1,800	305
11	64	32	199	668	739	267	967	49	31	127	1,780	267
12	57	33	200	590	645	252	852	96	26	102	1,370	238
13	47	34	200	481	559	267	739	180	21	102	980	204
14	40	35	207	418	481	267	656	198	19	119	751	186
15	34	36	209	410	500	267	702	192	19	99	601	192
16	30	37	263	382	612	297	802	164	18	63	509	211
17	27	37	333	364	802	321	679	127	16	41	529	245
18	25	38	343	346	1,060	338	529	112	15	32	549	275
19	24	39	322	329	1,130	355	436	112	14	36	500	329
20	23	40	340	313	1,180	364	355	159	14	40	453	346
21	23	41	367	338	1,020	400	305	154	15	44	329	355
22	23	44	374	338	980	400	275	140	13	49	313	297
23	23	46	364	329	928	410	260	145	12	41	305	252
24	22	47	349	321	954	436	245	169	11	30	355	252
25	21	49	324	321	994	444	217	150	10	22	346	275
26	21	51	298	305	852	453	192	119	10	20	252	245
27	21	55	276	290	726	436	164	136	19	18	186	198
28	21	62	254	290	634	427	145	164	19	21	150	175
29	22	65	231	313	------	436	119	169	18	43	127	154
30	23	66	219	427	------	453	102	154	15	217	102	136
31	24	------	222	444	------	471	------	119	------	217	87	------
TOTAL	1,149	1,182	6,909	15,815	20,713	11,595	14,970	3,663	1,246	1,752	21,756	6,238
MEAN	37.1	39.4	223	510	740	374	499	118	41.5	56.5	702	208
MAX	66	66	374	1,190	1,180	559	967	198	180	217	2,330	355
MIN	21	27	66	245	481	252	102	49	10	10	76	53
CFSM	.09	.10	.56	1.27	1.85	.93	1.24	.29	.10	.14	1.75	.52
IN.	.11	.11	.64	1.47	1.92	1.08	1.39	.34	.12	.16	2.02	.58

CAL YR 1973 TOTAL 208,699 MEAN 572 MAX 7,440 MIN 21 CFSM 1.43 IN 19.36
WTR YR 1974 TOTAL 106,988 MEAN 293 MAX 2,330 MIN 10 CFSM .73 IN 9.93

02136000 BLACK RIVER AT KINGSTREE, S.C.

LOCATION.--Lat 33°39'40", long 79°50'10", Williamsburg County, on left bank at downstream side of bridge on U.S. Highway 52 at Kingstree, 1.0 mi (1.6 km) downstream from Kingstree Swamp Canal, and at mile 86.7 (139.5 km).

DRAINAGE AREA.--1,260 mi², (3,260 km²), approximately.

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1894 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 25.66 ft (7.821 m) above mean sea level. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--45 years, 919 ft³/s (26.03 m³/s), 9.90 in/yr (251 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,860 ft³/s (109 m³/s) Feb. 22, gage height, 11.22 ft (3.420 m); minimum discharge 69 ft³/s (1.95 m³/s) Aug. 1.

Period of record: Maximum discharge, 58,000 ft³/s (1,640 m³/s) June 14, 1973, gage height, 19.77 ft (6.026 m); minimum, 2.0 ft³/s (0.06 m³/s) Sept. 12-15, Oct. 7, 8, 1954.
Flood of Sept. 21, 1928 reached a stage of 18.0 ft (5.49 m).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1032: 1928(m), drainage area. WSP 1333: 1930(m), 1931, 1936.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	407	122	205	1,000	1,600	2,710	1,530	466	430	131	76	570
2	465	120	208	940	1,850	2,500	1,430	402	451	120	75	463
3	431	120	207	900	2,160	2,310	1,370	343	478	109	84	381
4	429	120	205	900	2,360	2,110	1,300	295	510	101	99	363
5	402	120	204	900	2,350	1,940	1,320	260	526	95	115	369
6	364	120	206	920	2,260	1,780	1,360	238	554	101	200	455
7	328	122	207	950	2,240	1,630	1,460	225	597	118	386	577
8	288	124	222	1,060	2,340	1,510	1,560	217	568	123	685	770
9	251	125	258	1,140	2,430	1,390	1,750	210	506	118	910	901
10	230	125	306	1,300	2,580	1,290	1,870	200	381	114	1,290	892
11	219	127	384	1,500	2,750	1,180	1,880	188	318	102	1,940	844
12	216	130	435	1,690	2,910	1,090	1,820	191	255	97	2,560	786
13	216	130	480	1,780	2,860	1,040	1,810	214	211	94	3,040	699
14	214	133	450	1,780	2,710	986	1,830	283	182	92	3,440	602
15	213	136	470	1,760	2,650	932	1,830	361	172	92	3,670	515
16	209	138	540	1,690	2,660	954	1,840	411	169	96	3,630	460
17	201	139	590	1,610	2,770	1,090	1,850	435	176	105	3,330	456
18	191	139	740	1,510	2,990	1,290	1,810	421	183	120	2,820	473
19	180	141	900	1,400	3,320	1,450	1,730	379	196	137	2,260	501
20	168	141	980	1,310	3,720	1,610	1,630	373	194	148	1,820	529
21	160	144	860	1,260	3,830	1,700	1,540	339	174	150	1,530	542
22	152	148	750	1,230	3,890	1,670	1,430	316	154	141	1,340	574
23	148	155	650	1,210	3,910	1,570	1,280	343	145	130	1,330	606
24	144	164	600	1,210	3,870	1,430	1,120	373	133	118	1,390	619
25	141	173	750	1,200	3,650	1,420	986	383	123	108	1,420	630
26	138	177	1,230	1,180	3,420	1,430	865	390	115	105	1,400	647
27	135	182	1,300	1,180	3,200	1,410	761	422	114	102	1,310	651
28	133	184	1,130	1,170	2,930	1,390	683	445	113	103	1,100	651
29	129	187	1,000	1,160	------	1,400	610	442	124	99	945	654
30	125	195	1,040	1,240	------	1,460	535	413	133	90	818	636
31	124	------	1,100	1,360	------	1,540	------	400	------	82	699	------
TOTAL	7,151	4,281	18,607	39,440	80,210	47,212	42,790	10,378	8,385	3,441	45,712	17,816
MEAN	231	143	600	1,272	2,865	1,523	1,426	335	280	111	1,475	594
MAX	465	195	1,300	1,780	3,910	2,710	1,880	466	597	150	3,670	901
MIN	124	120	204	900	1,600	932	535	188	113	82	75	363
CFSM	.18	.11	.48	1.01	2.27	1.21	1.13	.27	.22	.09	1.17	.47
IN.	.21	.13	.55	1.16	2.37	1.39	1.26	.31	.25	.10	1.35	.53

CAL YR 1973 TOTAL 874,847 MEAN 2,397 MAX 52,800 MIN 120 CFSM 1.90 IN 25.83
WTR YR 1974 TOTAL 325,423 MEAN 892 MAX 3,910 MIN 75 CFSM .71 IN 9.61

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.

LOCATION.--Lat 34°59'05", long 80°58'27", York County, on right bank at downstream side of bridge on U.S. Highway 21, 3.5 mi (5.6 km) downstream from Lake Wylie Dam, 5.0 mi (8.0 km) northeast of Rock Hill, 7.5 mi (12.1 km) upstream from Sugar Creek, and at mile 137.6 (221.4 km).

DRAINAGE AREA.--3,050 mi^2 (7,900 km^2), approximately.

PERIOD OF RECORD.--September 1895 to September 1903, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 485.82 ft (148.078 m). Sept. 23, 1895, to July 31, 1903, nonrecording gage at Southern Railway bridge, 2.0 mi (3.2 km) downstream, at different datum.

AVERAGE DISCHARGE.--40 years, 4,511 ft^3/s (127.8 m^3/s), 20.09 in/yr (510 mm/yr).

EXTREMES.--Current year: Maximum discharge, 25,200 ft^3/s (714 m^3/s) Apr. 6, gage height 10.31 ft (3.142 m); minimum daily, 672 ft^3/s (19.0 m^3/s) Nov. 4.

Period of record: Maximum discharge, 151,000 ft^3/s (4,280 m^3/s) May 23, 1901, gage height, 24.15 ft (7.361 m), site and datum then in use; minimum daily, 490 ft^3/s (13.9 m^3/s) Oct. 21, 1954.

REMARKS.--Records good. Flow regulated by Lake Wylie, usable capacity, 6,542,000,000 ft^3 (185,300,000 m^3), and by other powerplants above station. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1303: 1895-1903, WSP 1333: 1942-43(m), 1953(m). WSP 1623: 1942-51 (yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,370	3,210	2,030	3,780	9,100	8,630	9,650	9,420	4,020	6,100	2,670	849
2	4,200	1,940	805	4,340	7,340	4,470	9,900	5,860	1,110	5,690	3,850	990
3	5,980	1,080	3,870	7,750	6,370	1,220	9,290	6,490	5,550	6,910	1,340	3,600
4	5,360	672	4,610	7,860	6,970	5,700	11,600	2,540	7,100	3,290	3,840	936
5	3,870	3,260	4,060	8,000	6,970	8,270	13,900	1,630	5,240	4,460	2,410	3,580
6	805	2,640	4,830	9,600	8,080	6,090	18,000	6,870	6,090	6,190	2,730	7,180
7	707	5,650	3,650	8,600	7,340	6,260	10,900	6,040	3,040	4,260	2,420	3,320
8	6,770	1,580	4,030	8,540	6,340	5,270	11,000	7,560	1,690	6,950	5,370	5,180
9	5,200	2,070	779	8,380	3,170	3,550	11,900	10,300	3,590	6,290	7,430	7,040
10	2,100	4,430	6,080	9,090	7,670	951	10,900	6,840	6,660	10,100	6,170	6,680
11	1,270	1,350	5,270	8,630	8,600	7,100	11,100	5,410	4,820	12,000	5,470	6,850
12	1,300	4,120	3,840	5,820	8,200	6,460	11,100	5,490	860	7,110	6,560	7,140
13	707	2,350	4,640	6,980	9,110	7,380	9,210	6,990	4,330	4,140	8,040	7,980
14	742	1,960	5,780	7,310	10,200	7,440	9,720	8,170	3,380	1,930	6,640	6,010
15	3,040	1,040	6,290	6,120	11,700	4,940	8,780	8,310	959	1,870	7,860	1,110
16	1,680	1,940	5,430	5,900	8,140	3,120	11,400	8,280	810	1,550	6,650	5,030
17	1,130	1,760	5,680	5,320	3,700	5,150	9,990	8,790	817	7,590	5,760	5,970
18	2,440	767	4,920	7,070	8,370	5,580	10,100	11,100	3,490	6,680	6,140	3,150
19	2,440	1,580	5,430	3,050	9,050	3,170	9,440	4,490	4,420	4,590	3,780	6,720
20	1,690	4,290	3,570	1,900	6,920	5,480	10,200	6,240	4,240	2,810	6,870	5,610
21	767	7,730	3,520	5,450	8,100	6,260	1,050	6,640	3,790	1,060	5,120	886
22	830	2,440	2,960	3,750	7,840	5,860	6,900	7,270	6,080	4,880	6,570	2,690
23	1,160	2,610	767	7,400	6,390	4,860	6,650	6,500	3,710	967	5,530	2,710
24	1,830	2,730	1,470	8,930	6,250	1,110	7,830	8,910	3,030	810	5,120	1,960
25	1,040	894	742	7,970	10,900	6,360	10,200	6,400	871	2,090	2,250	1,360
26	3,730	4,890	3,490	5,640	10,400	6,900	9,980	975	1,040	908	7,380	5,540
27	684	1,730	6,710	5,290	10,600	6,920	3,510	2,210	2,560	983	7,160	3,240
28	719	4,770	5,570	7,030	9,150	5,960	817	4,690	7,310	5,650	5,930	5,690
29	3,810	4,920	6,720	7,280	------	7,750	5,630	7,810	2,850	5,480	7,090	3,560
30	2,260	3,410	2,780	7,570	------	6,860	8,050	7,100	4,760	5,790	5,980	8,270
31	4,000	------	5,180	8,210	------	7,350	------	7,380	------	2,720	1,110	------
TOTAL	74,631	83,813	125,503	208,560	222,970	172,421	278,697	202,705	108,217	141,848	161,240	130,831
MEAN	2,407	2,794	4,048	6,728	7,963	5,562	9,290	6,539	3,607	4,576	5,201	4,361
MAX	6,770	7,730	6,720	9,600	11,700	8,630	18,000	11,100	7,310	12,000	8,040	8,270
MIN	684	672	742	1,900	3,170	951	817	975	810	810	1,110	849

CAL YR 1973 TOTAL 2,125,173 MEAN 5,822 MAX 24,200 MIN 672
WTR YR 1974 TOTAL 1,911,436 MEAN 5,237 MAX 18,000 MIN 672

02147000 CATAWBA RIVER NEAR CATAWBA, S.C.

LOCATION.--Lat 34°51'09", long 80°52'06", York County, on right bank, 60 ft (20 m) downstream from Seaboard Coast Line Railroad bridge, 200 ft (60 m) downstream from Twelvemile Creek, 2.5 mi (4.0 km) east of Catawba, and at mile 122.8 (197.6 km).

DRAINAGE AREA.--3,530 mi² (9,140 km²), approximately.

PERIOD OF RECORD.--October 1968 to current year. Annual peak stages from June 1906 to December 1948 and gage-height records since May 1958 are available in district office.

GAGE.--Water-stage recorder. Datum of gage is 446.18 ft (135.996 m) above mean sea level (levels by Bowaters Carolina Corporation). June 1906 to Dec. 31, 1948, nonrecording gage at site 2.1 mi (3.4 km) downstream at different datum.

AVERAGE DISCHARGE.--6 years, (Revised) 6,005 ft³/s (170.1 m³/s), 23.10 in/yr (587 mm/yr).

EXTREMES.--Current year: Maximum discharge, 27,100 ft³/s (767 m³/s) Apr. 6, gage height, 13.43 ft (4.093 m); minimum daily, 868 ft³/s (24.6 m³/s) Oct. 23.

Period of record: Maximum discharge, 37,500 ft³/s (1,060 m³/s) Apr. 1, 1973, gage height, 17.16 ft (5.230 m); minimum daily, 798 ft³/s (22.6 m³/s) June 28, 1970.

Maximum stage known since June 1906, 40.4 ft (12.31 m) July 16, 1916 at site and datum then in use, from records furnished by the National Weather Service.

REMARKS.--Records good. Flow regulated by Lake Wylie, usable capacity, 6,542,000,000 ft³ (185,300,000 m³). and by other powerplants above the station. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,620	4,040	2,030	8,910	9,840	9,450	10,600	11,500	3,480	6,500	2,800	909
2	3,290	2,300	1,540	7,470	9,250	5,270	10,900	5,150	3,340	6,120	3,310	1,150
3	6,310	1,310	3,530	8,250	10,600	2,230	10,200	7,360	5,500	7,270	4,440	2,750
4	5,140	910	3,980	8,510	10,100	4,720	11,900	4,000	6,760	4,790	4,020	1,900
5	4,750	1,500	4,680	8,780	7,400	9,580	19,000	1,950	5,700	4,070	4,150	3,520
6	2,310	4,000	4,570	10,400	8,670	5,780	21,400	5,960	6,870	5,520	3,080	5,700
7	882	5,220	5,520	9,540	10,200	6,340	12,600	7,260	2,510	6,220	2,660	10,600
8	5,520	2,990	4,090	9,720	10,900	5,340	11,600	5,980	2,590	7,470	5,300	5,440
9	5,830	1,280	2,060	9,000	7,780	4,740	15,200	12,600	1,550	7,450	8,150	7,360
10	2,430	4,600	5,440	9,840	7,470	1,900	10,900	7,740	8,460	9,250	8,910	7,850
11	2,420	2,630	5,100	9,220	9,400	5,620	12,200	6,390	4,320	12,500	5,220	6,590
12	1,340	3,570	5,560	7,990	9,160	7,620	11,700	5,380	2,390	9,200	6,670	7,080
13	1,240	3,670	4,530	6,290	9,020	7,200	10,400	8,460	2,720	3,780	8,840	9,890
14	875	1,720	6,290	7,950	10,400	7,710	10,300	8,480	3,650	2,340	9,290	7,000
15	1,960	1,780	6,310	7,020	12,900	6,550	9,700	8,840	2,450	2,510	8,230	2,470
16	2,270	917	5,930	6,120	10,500	3,380	12,300	8,600	1,020	1,480	9,220	4,130
17	1,990	2,720	7,290	4,870	7,220	4,640	10,800	8,860	1,000	5,800	8,010	7,770
18	2,500	1,290	5,800	8,320	8,640	6,200	10,700	12,600	2,220	6,650	6,560	5,870
19	2,720	1,600	5,640	3,830	10,200	3,220	10,200	6,220	4,380	6,200	4,440	6,010
20	1,990	2,140	4,870	2,720	7,900	5,600	10,800	5,340	5,060	2,090	5,950	6,640
21	1,130	9,180	4,110	6,650	9,000	6,860	3,590	6,200	3,810	2,330	5,460	2,070
22	1,020	4,190	6,370	6,290	10,100	6,190	5,700	8,250	6,030	4,020	6,440	1,160
23	868	1,810	1,410	8,820	8,800	5,670	6,790	8,010	4,970	1,920	6,370	3,700
24	1,910	2,510	1,730	8,840	6,920	1,410	8,070	8,580	2,780	917	5,100	2,260
25	1,680	2,720	1,050	11,300	10,600	6,150	10,300	7,510	1,340	1,340	2,780	1,260
26	4,060	3,740	2,650	8,840	11,500	7,600	11,700	2,970	988	1,600	6,490	4,430
27	938	2,660	5,970	6,890	10,900	7,160	4,920	2,090	1,500	1,110	8,010	4,840
28	875	4,620	7,000	8,360	9,860	6,520	1,120	4,660	6,240	3,650	6,620	5,140
29	2,630	4,150	7,310	11,500	------	8,700	4,380	7,040	3,600	6,890	6,410	5,410
30	3,640	5,830	4,320	8,410	------	11,200	7,270	7,090	4,530	4,660	6,740	8,100
31	4,870	------	5,220	8,950	------	9,210	------	8,710	------	4,380	2,660	------
TOTAL	82,008	91,597	141,900	249,600	265,230	189,760	307,240	219,780	111,758	150,027	182,330	148,999
MEAN	2,645	3,053	4,577	8,052	9,473	6,121	10,240	7,090	3,725	4,840	5,882	4,967
MAX	6,310	9,180	7,310	11,500	12,900	11,200	21,400	12,600	8,460	12,500	9,290	10,600
MIN	868	910	1,050	2,720	6,920	1,410	1,120	1,950	988	917	2,660	909

CAL YR 1973 TOTAL 2,390,335 MEAN 6,549 MAX 33,800 MIN 868
WTR YR 1974 TOTAL 2,140,229 MEAN 5,864 MAX 21,400 MIN 868

02147500 ROCKY CREEK AT GREAT FALLS, S.C.

LOCATION.--Lat 34°33;45", long 80°55'00", Chester County, on left bank 350 ft (107 m) downstream from Turkey Branch, 1 mi (1.6 km) west of Great Falls, and at mile 1.8 (2.9 km).

DRAINAGE AREA.--194 mi² (502 km²).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 299 ft (91 m) (by barometer).

AVERAGE DISCHARGE.--23 years, 192 ft³/s (5.437 m³/s), 13.44 in/yr (341 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,990 ft³/s (113 m³/s) Oct. 2, gage height, 6.66 ft (2.030 m); minimum, 15 ft³/s (0.425 m³/s) July 31, Aug. 1.

Period of record: Maximum discharge, 31,300 ft³/s (886 m³/s) Aug. 23, 1967, gage height 18.82 ft (5.736 m); minimum, 0.04 ft³/s (.001 m³/s) Oct. 6-13, 1954.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	47	49	2,060	257	143	115	71	44	22	15	21
2	2,050	47	47	913	431	134	102	69	48	21	16	22
3	415	46	47	329	634	128	94	75	63	19	32	22
4	141	45	49	251	702	123	178	74	54	21	32	26
5	97	46	56	246	332	117	1,370	106	43	28	59	22
6	78	45	63	200	246	115	605	97	41	39	67	75
7	67	44	55	208	934	109	240	76	40	54	215	793
8	63	46	56	200	2,660	106	185	68	41	143	188	254
9	60	49	108	158	1,220	102	496	71	41	79	91	97
10	58	47	101	141	423	99	281	68	38	55	91	67
11	55	45	65	134	303	95	185	64	49	38	49	53
12	53	47	56	132	234	99	159	104	34	30	37	45
13	52	48	64	111	200	145	205	128	32	29	167	53
14	51	48	113	106	190	117	1,210	72	32	25	229	60
15	49	49	87	132	221	101	450	67	32	24	81	44
16	48	49	130	126	725	106	243	60	34	25	91	41
17	47	48	243	113	913	128	175	58	44	22	101	40
18	44	47	188	102	360	99	147	54	33	20	51	38
19	43	48	115	97	293	92	132	52	30	20	39	34
20	43	48	342	95	272	94	123	51	27	24	33	32
21	43	51	552	1,180	205	102	115	52	45	21	31	31
22	43	56	232	970	768	101	112	51	36	19	30	31
23	43	54	145	306	580	86	108	99	28	18	29	30
24	42	52	119	223	284	87	94	224	24	19	28	29
25	41	51	104	326	223	94	94	79	24	20	27	29
26	41	51	102	287	183	106	97	60	24	19	26	30
27	41	51	104	232	162	95	89	79	31	24	25	30
28	40	52	92	374	151	97	87	72	29	28	24	30
29	74	55	84	1,380	------	111	81	58	35	19	23	29
30	60	51	97	679	------	287	76	53	25	17	22	26
31	47	------	768	374	------	158	------	48	------	15	22	------
TOTAL	4,120	1,463	4,432	12,185	14,106	3,576	7,648	2,360	1,101	957	1,971	2,134
MEAN	133	48.8	143	393	504	115	255	76.1	36.7	30.9	63.6	71.1
MAX	2,050	56	768	2,060	2,660	287	1,370	224	63	143	229	793
MIN	40	44	47	95	151	86	76	48	24	15	15	21
CFSM	.69	.25	.74	2.03	2.60	.59	1.31	.39	.19	.16	.33	.37
IN.	.79	.28	.85	2.34	2.70	.69	1.47	.45	.21	.18	.38	.41

CAL YR 1973 TOTAL 105,018 MEAN 288 MAX 10,900 MIN 29 CFSM 1.48 IN 20.14
WTR YR 1974 TOTAL 56,053 MEAN 154 MAX 2,660 MIN 15 CFSM .79 IN 10.75

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-02	0730	6.66	3990				

02148000 WATEREE RIVER NEAR CAMDEN, S.C.

LOCATION.--Lat 34°14'40", long 80°39'15", Kershaw County, in pier of bridge on U.S. Highway 1, 1,500 ft (457 m) downstream from Five and Twenty Creek, 4,000 ft (1,219 m) upstream from Seaboard Coast Line Railroad bridge, 2.2 mi (3.5 km) west of Camden, 7.4 mi (11.9 km) downstream from Wateree Dam, and at mi 68.8 (110.7 km).

DRAINAGE AREA.--5,070 mi^2 (13,100 km^2), approximately.

PERIOD OF RECORD.--January to December 1903 (gage heights only), October 1904 to September 1910, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site 1.5 mi (2.4 km) downstream 1891-1934, at site 830 ft (253 m) upstream January 1935 to September 1942, and at present site since October 1942, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder with remote system to district office. Datum of gage is 119.36 ft (36.381 m) above mean sea level. January 1903, to September 1910, nonrecording gage at site 1.5 mi (2.4 km) downstream at datum 117.71 ft (35.878 m) above mean sea level. Oct. 1, 1929 to Sept. 1, 1942, recording gage at site 830 ft (253 m) upstream at datum 119.36 ft (36.381 m) above mean sea level.

AVERAGE DISCHARGE.--51 years (1904-10, 1929 to current year), 6,262 ft^3/s (177.3 m^3/s), 16.77 in/yr (426 mm/yr).

EXTREMES.--Current year: Maximum discharge, 16,700 ft^3/s (473 m^3/s) Apr. 7, gage height, 16.00 ft (4.877 m); minimum daily, 155 ft^3/s (4.39 m^3/s) Oct. 28.

Period of record: Maximum discharge, 366,000 ft^3/s (10,400 m^3/s) Aug. 26, 1908 (gage height, 39.7 ft (12.1 m), site and datum then in use, from records of National Weather Service), from rating curve extended above 122,000 ft^3/s (3,460 m^3/s) on basis of computation, by Duke Power Co., of peak flow of 382,000 ft^3/s (10,800 m^3/s) over dam at Rocky Creek Reservoir; minimum daily, 155 ft^3/s (4.39 m^3/s) Oct. 28, 1973.

The flood of July 18, 1916 reached a stage of 40.4 ft (12.3 m), datum, 117.71 ft (35.878 m) above mean sea level, at site 1.5 mi (2.4 km) downstream, from records of National Weather Service, discharge, 400,000 ft^3/s (11,300 m^3/s) from rating curve extended above 122,00 ft^3/s (3,460 m^3/s) as explained above.

REMARKS.--Records good, except period of no gage-height record which is fair. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,794,000,000 ft^3 (791,261,000 m^3) and by other powerplants above station.

REVISION (WATER YEARS).--WSP 802: 1930. WSP 952: Drainage area. WSP 1082: 1934(m). WSP 1433: 1905-10. WSP 1623: 1930-51 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,390	2,400	2,810	10,600	11,200	9,090	11,900	7,930	4,850	7,860	3,660	1,140
2	6,640	1,880	562	13,500	10,100	7,300	11,900	7,860	1,250	7,820	1,250	368
3	7,410	1,630	2,570	13,600	10,400	2,530	8,690	8,640	6,140	7,660	5,960	6,100
4	7,120	278	4,260	13,400	14,600	6,930	11,500	3,140	8,010	2,810	5,290	1,520
5	5,350	3,640	3,860	12,000	11,100	9,670	16,400	1,620	8,540	4,020	3,280	4,210
6	1,070	3,090	3,800	11,500	8,790	8,360	16,500	6,890	7,160	7,060	7,230	8,390
7	367	5,280	5,360	11,900	8,910	8,180	16,400	7,900	5,150	5,020	7,440	14,600
8	5,140	2,280	5,780	11,300	14,300	7,790	16,500	7,990	2,950	8,700	7,800	8,030
9	6,860	4,020	1,590	8,770	15,300	5,240	16,200	11,200	2,800	8,910	11,000	8,190
10	3,780	4,390	4,800	6,000	15,200	1,480	16,400	9,420	7,540	10,400	14,400	7,810
11	1,480	1,520	5,400	6,770	15,000	10,000	16,300	7,990	5,040	6,760	7,330	6,520
12	3,080	4,120	5,540	7,910	11,700	9,290	15,800	7,700	1,090	4,860	7,320	7,860
13	832	3,690	4,970	7,960	9,370	8,390	15,000	9,100	4,370	4,770	9,280	7,380
14	1,140	3,130	6,940	7,970	14,800	8,220	15,400	8,800	4,240	3,110	9,040	1,910
15	3,000	1,960	7,590	5,600	12,400	4,710	14,800	8,700	1,650	5,980	9,860	290
16	2,090	1,150	6,790	4,120	13,300	3,660	16,100	11,500	927	4,470	5,870	5,250
17	1,490	2,330	6,850	7,740	13,400	6,010	14,500	10,300	772	10,700	1,880	7,950
18	2,060	444	6,960	9,140	14,500	6,210	12,200	8,000	2,380	7,670	3,120	7,630
19	4,290	1,300	8,330	7,480	12,400	4,750	11,900	500	4,810	5,770	4,850	7,240
20	2,360	3,640	8,220	402	7,670	8,010	11,800	6,600	4,760	3,020	8,650	5,740
21	559	6,310	11,100	8,570	11,600	8,860	6,190	8,000	5,150	1,420	7,400	1,700
22	1,180	2,790	6,450	13,900	14,600	8,540	7,680	8,400	6,920	3,440	6,190	2,550
23	375	2,740	1,400	13,200	13,400	4,510	8,350	8,500	4,680	1,140	5,530	3,920
24	3,240	4,240	1,910	12,000	11,100	1,360	8,140	8,000	3,150	321	5,910	1,660
25	3,230	1,770	4,340	9,660	12,100	8,340	9,170	6,790	1,080	1,890	3,120	1,770
26	2,670	3,370	4,830	10,600	12,500	8,290	11,100	2,470	1,630	1,280	8,730	6,520
27	519	5,040	6,280	8,420	9,550	7,550	5,580	3,540	2,520	368	7,760	3,140
28	155	4,890	5,840	9,730	9,540	4,720	1,000	5,970	5,830	4,690	7,060	4,950
29	2,060	6,280	8,780	11,400	------	8,590	5,500	6,840	4,800	7,140	7,300	7,250
30	3,490	5,180	4,950	13,800	------	12,300	7,750	8,030	6,960	5,470	3,010	8,970
31	4,950	------	5,250	14,100	------	12,100	------	8,720	------	4,020	521	------
TOTAL	92,377	94,782	164,112	303,042	338,830	220,980	356,650	227,040	127,149	158,549	197,041	160,558
MEAN	2,980	3,159	5,294	9,776	12,100	7,128	11,890	7,324	4,238	5,114	6,356	5,352
MAX	7,410	6,310	11,100	14,100	15,300	12,300	16,500	11,500	8,540	10,700	14,400	14,600
MIN	155	278	562	402	7,670	1,360	1,000	500	772	321	521	290

CAL YR 1973 TOTAL 3,143,170 MEAN 8,611 MAX 49,000 MIN 155
WTR YR 1974 TOTAL 2,441,110 MEAN 6,688 MAX 16,500 MIN 155

NOTE: No gage height record Jan. 4 to Feb. 14

02148300 COLONELS CREEK NEAR LEESBURG, S.C.

LOCATION.--Lat 34°00'25", long 80°43'58", Richland County, at bridge on State Highway 262, 0.2 mi (0.3 km) above Jumping Run Creek, 1.9 mi (3.1 km) southwest of Leesburg, and at mile 8.0 (12.9 km).

DRAINAGE AREA.--38.1 mi² (98.7 km²).

PERIOD OF RECORD.--September 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 155 ft (47.2 m) (from topographic map).

AVERAGE DISCHARGE.--8 years, 45.6 ft³/s (1.29 m³/s), 16.25 in/yr (413 mm/yr).

EXTREMES.--Current year: Maximum discharge, 194 ft³/s (5.49 m³/s) Jan. 2, gage height 4.17 ft (1.271 m); minimum, 18 ft³/s (0.51 m³/s) July 21, gage height 1.61 ft (0.491 m).

Period of record: Maximum discharge, 494 ft³/s (14.0 m³/s) June 10, 1973, gage height 5.28 ft (1.609 m); minimum, 11 ft³/s (0.31 m³/s) July 12-14, 1970.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	39	34	94	80	46	48	27	27	19	40	24
2	74	37	34	181	69	45	42	26	30	18	43	25
3	67	35	34	135	67	44	40	27	46	21	47	26
4	54	34	35	108	63	43	40	27	51	21	66	38
5	42	34	36	114	54	42	90	49	34	22	93	45
6	35	34	40	99	49	41	106	62	30	24	125	55
7	32	33	37	90	70	40	88	50	28	32	122	75
8	31	34	46	78	89	39	65	37	28	40	101	64
9	30	34	78	68	84	39	70	33	29	32	91	47
10	30	34	72	55	73	39	61	31	28	28	77	35
11	31	34	54	53	62	38	50	29	25	29	68	30
12	30	34	42	56	55	39	46	36	23	29	54	27
13	30	34	40	52	50	44	45	52	22	28	42	26
14	30	35	64	49	47	42	46	53	21	23	42	25
15	30	35	61	61	63	39	45	43	21	21	48	25
16	29	35	73	58	94	41	40	33	20	19	70	25
17	29	34	91	53	117	45	38	30	20	20	70	28
18	29	33	84	49	101	41	37	27	19	20	65	36
19	29	34	71	47	86	39	36	26	19	19	55	35
20	29	34	70	46	84	49	34	50	19	19	46	29
21	30	36	98	53	74	52	33	49	19	35	36	27
22	30	45	86	58	73	53	33	39	19	63	32	30
23	30	42	70	52	74	46	33	38	19	34	30	32
24	30	39	56	46	63	42	32	48	19	26	28	29
25	30	37	49	44	54	47	31	40	19	24	27	27
26	30	37	47	44	50	56	30	35	19	23	26	28
27	30	36	46	45	47	52	30	53	22	26	26	27
28	30	37	44	45	46	47	29	58	23	52	25	27
29	38	38	42	50	------	49	28	45	22	59	25	26
30	42	35	42	100	------	72	28	34	20	49	25	25
31	38	------	58	100	------	61	------	30	------	39	25	------
TOTAL	1,124	1,072	1,734	2,183	1,938	1,412	1,374	1,217	741	914	1,670	998
MEAN	36.3	35.7	55.9	70.4	69.2	45.5	45.8	39.3	24.7	29.5	53.9	33.3
MAX	75	45	98	181	117	72	106	62	51	63	125	75
MIN	29	33	34	44	46	38	28	26	19	18	25	24
CFSM	.95	.94	1.47	1.85	1.82	1.19	1.20	1.03	.65	.77	1.41	.87
IN.	1.10	1.05	1.69	2.13	1.89	1.38	1.34	1.19	.72	.84	1.63	.97

CAL YR 1973 TOTAL 20,838 MEAN 57.1 MAX 308 MIN 26 CFSM 1.50 IN 20.35
WTR YR 1974 TOTAL 16,377 MEAN 44.9 MAX 181 MIN 18 CFSM 1.18 IN 15.99

PEAK DISCHARGE (BASE, 200 CFS).--No peaks above base.

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

LOCATION.--Lat 33°50'19", long 80°37'25", Richland County, on right bank, 2.4 mi (3.9 km) upstream from Southern Railway bridge, 2.5 mi (4.0 km) northeast of Wateree, 5.0 mi (8.0 km) southeast of Eastover, and at mile 12.0 (19.3 km).

DRAINAGE AREA.--5,590 mi^2 (14,480 km^2), approximately.

PERIOD OF RECORD.--July 1968 to current year, discharge below 10,000 ft^3/s (283 m^3/s) only.

GAGE.--Water-stage recorder. Datum of gage is 77.43 ft (23.601 m) above mean sea level (South Carolina Electric and Gas Company benchmark).

EXTREMES.--Current year: Maximum gage height, 15.05 ft (4.587 m) Jan. 7; minimum daily discharge, 1,160 ft^3/s (32.9 m^3/s) Oct. 29.

Period of record: Maximum gage height, 16.71 ft (5.093 m) Dec. 14, 1969; minimum daily discharge, 702 ft^3/s (19.9 m^3/s) Sept. 3, 1968.

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir, usable capacity, 2,794,000,000 ft^3 (79,126,000 m^3), and by other powerplants above station. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,000	4,130	5,690	5,090		9,270	9,520	6,990	7,830	5,980	4,600	2,380
2	4,560	3,280	3,440	8,500		8,910		7,710	6,060	6,870	3,850	1,500
3	6,410	2,230	1,980	9,640		8,220		7,280	3,280	7,130	2,640	1,460
4	7,710	2,060	2,040			5,040		7,750	4,040	7,170	4,400	3,110
5	7,940	1,550	3,620			6,090		5,220	6,740	4,430	6,000	3,220
6	6,920	1,820	3,910			8,120		2,830	7,780	3,040	5,860	3,080
7	4,050	3,160	3,900			8,200		4,940	7,260	5,780	6,970	6,440
8	1,940	4,350	4,820			8,090		7,120	5,920	6,040	7,780	8,890
9	3,550	3,590	5,750			7,930		7,650	3,800	6,930	8,040	8,980
10	5,870	3,020	3,620	9,810		6,610		8,730	2,930	7,880	8,820	8,320
11	5,390	3,950	3,630	9,080		3,560		8,630	6,180	8,500	9,570	8,000
12	3,480	2,650	5,570	7,990		7,810		8,100	5,630	7,780	9,380	7,100
13	3,200	2,610	6,050	7,950		8,050		7,870	2,940	6,100	8,630	7,270
14	2,330	3,640	5,310	8,320		8,000		8,250	2,600	4,940	8,960	7,170
15	1,770	3,120	6,430	8,430		7,920		8,460	4,060	3,620	8,940	4,300
16	2,590	2,620	7,080	7,080		6,080		8,340	2,810	5,060	9,010	1,910
17	2,760	1,770	7,150	6,460		4,420		8,800	1,940	5,280	8,000	2,590
18	2,330	1,850	6,880	6,420		5,510		9,230	1,350	4,910	4,460	6,770
19	1,910	1,780	7,020	7,860		6,210		9,080	1,390	6,760	4,020	7,480
20	3,500	1,180	7,670	7,840		5,300		5,650	3,570	6,630	4,790	7,010
21	3,240	2,180	8,090	4,860		6,680	9,710	4,780	4,630	4,020	7,310	6,670
22	1,880	5,310	9,030	6,160		7,830	8,410	6,650	4,300	2,760	7,420	4,250
23	1,380	3,680	8,160	9,080		8,010	7,880	7,440	6,030	2,500	6,680	2,920
24	1,430	2,650	3,670			6,180	7,990	7,940	5,390	2,730	6,140	3,490
25	1,840	3,310	2,430			3,240	7,920	7,630	3,600	1,610	5,740	3,580
26	3,180	3,000	3,540			5,840	8,350	7,070	2,270	1,190	4,530	2,410
27	2,920	2,310	4,970			7,660	8,940	4,500	1,610	1,930	6,080	4,310
28	1,900	4,200	6,220			7,070	7,520	3,430	2,020	1,490	7,520	4,170
29	1,160	4,630	7,430		------	6,030	3,510	5,610	3,870	2,270	7,090	4,220
30	1,240	5,620	8,000		------	7,320	3,780	6,560	4,790	5,750	6,940	6,300
31	3,110	------	6,040		------	9,160	------	7,370	------	5,700	4,690	------
TOTAL	105,490	91,250	169,140			214,360		217,610	126,620	152,780	204,860	149,300
MEAN	3,403	3,042	5,456			6,915		7,020	4,221	4,928	6,608	4,977
MAX	7,940	5,620	9,030			9,270		9,230	7,830	8,500	9,570	8,980
MIN	1,160	1,180	1,980			3,240		2,830	1,350	1,190	2,640	1,460

02154500 NORTH PACOLET RIVER AT FINGERVILLE, S.C.

LOCATION.--Lat 35°07'15", long 81°59'10", Spartanburg County, on right bank at McMillin Mill, about 400 ft (120 m) downstream from Obed Creek, 1.4 mi (2.3 km) south of Fingerville, and at mile 48.5 (78.0 km).

DRAINAGE AREA.--116 mi^2 (300 km^2).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 715.56 ft (218.103 m) above mean sea level. From Nov. 26, 1929 to Nov. 24, 1933, recording gage at site about 400 ft (120 m) downstream at datum 5.60 ft (1.707 m) higher.

AVERAGE DISCHARGE.--45 years, 210 ft^3/s (5.947 m^3/s), 24.58 in/yr (624 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2330 ft^3/s (66.0 m^3/s) Apr. 5, gage height 9.71 ft (2.960 m); minimum, 43 ft^3/s (1.22 m^3/s) Nov. 5, gage height 2.95 ft (0.899 m); minimum daily, 102 ft^3/s (2.89 m^3/s) Sept. 20, 25.

Period of record: Maximum discharge, 12,500 ft^3/s (354 m^3/s) Aug. 14, 1940, gage height, 27.13 ft (8.269 m) from rating curve extended above 4,300 ft^3/s (122 m^3/s) on basis of computation of peak flow over dam 2.0 mi (3.2 km) above station; minimum, 9.0 ft^3/s (0.25 m^3/s) Oct. 6, 1954; minimum daily, 28 ft^3/s (0.79 m^3/s) Oct. 6, 7, 1954.

REMARKS.--Records good. Some diurnal fluctuation at low and medium flow caused by mill above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	134	139	974	261	258	316	212	207	159	121	108
2	207	123	135	640	344	253	304	227	203	155	137	109
3	168	117	134	452	475	248	421	253	198	147	159	105
4	147	117	134	421	355	242	1,430	222	191	149	255	106
5	137	116	358	350	301	240	1,970	277	181	293	168	103
6	130	112	529	304	292	235	685	286	181	496	179	146
7	126	114	245	280	322	235	409	235	289	266	191	174
8	130	116	198	255	481	230	388	220	225	325	227	128
9	134	117	193	261	394	225	403	230	203	223	210	118
10	130	114	177	269	328	222	328	223	191	193	168	114
11	128	114	163	269	298	220	304	215	188	181	168	112
12	128	114	157	266	277	222	289	365	179	172	207	110
13	124	116	161	242	266	230	322	326	181	161	207	131
14	124	117	186	235	277	215	298	245	172	157	159	118
15	121	116	166	237	277	210	292	225	170	153	166	114
16	121	119	175	225	344	235	272	218	170	147	217	113
17	117	116	163	217	344	237	263	210	168	143	163	110
18	116	114	153	210	295	215	261	200	161	161	147	110
19	116	116	147	205	310	215	258	198	159	145	137	105
20	117	116	170	215	298	230	250	240	157	137	131	102
21	114	147	400	572	269	379	248	212	170	141	128	103
22	116	193	261	406	508	331	248	212	181	134	124	112
23	114	139	212	307	539	261	283	322	161	157	122	112
24	116	128	193	275	361	245	248	275	153	175	119	103
25	114	126	179	275	316	242	232	222	157	157	119	102
26	112	134	364	319	286	237	230	210	157	143	117	103
27	111	172	872	376	275	230	227	353	195	139	114	103
28	114	186	421	361	266	227	222	255	242	149	112	267
29	130	195	283	370	------	400	220	225	186	137	110	167
30	121	151	331	310	------	643	215	215	166	132	110	137
31	119	------	373	280	------	394	------	210	------	124	107	------
TOTAL	4,060	3,909	7,772	10,378	9,359	8,206	11,836	7,538	5,542	5,551	4,799	3,645
MEAN	131	130	251	335	334	265	395	243	185	179	155	122
MAX	258	195	872	974	539	643	1,970	365	289	496	255	267
MIN	111	112	134	205	261	210	215	198	153	124	107	102
CFSM	1.13	1.12	2.16	2.89	2.88	2.28	3.41	2.09	1.59	1.54	1.34	1.05
IN.	1.30	1.25	2.49	3.33	3.00	2.63	3.80	2.42	1.78	1.78	1.54	1.17

CAL YR 1973 TOTAL 99,513 MEAN 273 MAX 2,670 MIN 111 CFSM 2.35 IN 31.91
WTR YR 1974 TOTAL 82,595 MEAN 226 MAX 1,970 MIN 102 CFSM 1.95 IN 26.49

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-05	1015	9.71	2,330				

02154950 LAKE WILLIAM C. BOWEN NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'45", long 82°02'26", Spartanburg County, at bridge on State Highway 9, 1.7 mi (2.7 km) upstream from the dam and 2.8 mi (4.5 km) southwest of Fingerville.

DRAINAGE AREA.--79.4 mi² (205.6 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Spartanburg Water Works datum).

EXTREMES.--Current year: Maximum gage height, 816.24 ft (248.790 m) Apr. 4, 5; minimum, 809.87 ft (246.848 m) Nov. 15.

Period of record: Maximum gage height, 817.12 ft (249.058 m) May 23, 1973; minimum, 811.30 ft (247.284 m) Oct. 18, 19, 1970.

REMARKS.--Reservoir is formed by concrete dam, completed in 1960. Capacity is 7,400,000,000 gal (28.009 hm³). Spillway crest is at gage height 815 ft (248.4 m). Water used as inflow to South Pacolet River Reservoir, capacity, 1,104,000,000 gal (4.179 hm³).

Capacity table [(gage height, in feet (and meters) and usable contents, in billions of gallons (and millions of cubic meters)]
(Prepared from curve by Wiedeman and Singleton Engineers of Atlanta, Ga.)

811 ft (247.19 m)	5.45 (20.628 m³)
812 ft (247.50 m)	5.90 (22.331 m³)
813 ft (247.80 m)	6.35 (24.035 m³)
814 ft (248.11 m)	6.80 (25.738 m³)
815 ft (248.41 m)	7.30 (27.630 m³)
816 ft (248.72 m)	7.80 (29.523 m³)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	813.76	811.09	810.84	815.66	815.06	815.01	815.13	814.74	814.66	813.97	814.95	814.08
2	813.72	811.01	810.86	815.48	815.26	815.00	815.11	814.77	814.64	813.96	814.94	814.09
3	813.65	810.92	810.89	815.42	815.28	814.98	815.67	814.79	814.58	813.94	814.96	814.09
4	813.57	810.83	810.94	815.36	815.19	814.96	816.24	814.76	814.51	813.94	814.99	814.09
5	813.49	810.73	811.46	815.28	815.13	814.93	815.70	814.85	814.43	814.39	815.03	814.08
6	813.40	810.64	811.68	815.23	815.15	814.91	815.38	814.86	814.41	814.92	815.07	814.27
7	813.31	810.55	811.76	815.20	815.17	814.87	815.26	814.83	814.47	815.05	815.09	814.32
8	813.24	810.47	811.84	815.18	815.31	814.84	815.28	814.80	814.46	815.13	815.11	814.35
9	813.17	810.37	811.90	815.17	815.21	814.80	815.20	814.77	814.41	815.11	815.13	814.38
10	813.08	810.27	811.95	815.14	815.15	814.76	815.17	814.75	814.38	815.09	815.13	814.40
11	813.00	810.18	811.97	815.10	815.10	814.71	815.13	814.71	814.33	815.08	815.12	814.42
12	812.91	810.09	812.01	815.05	815.08	814.72	815.12	814.86	814.26	815.06	815.11	814.43
13	812.82	810.01	812.11	815.03	815.06	814.69	815.17	814.84	814.18	815.05	815.09	814.45
14	812.73	809.93	812.16	815.03	815.07	814.65	815.16	814.80	814.09	815.03	815.07	814.46
15	812.63	809.93	812.25	815.01	815.05	814.60	815.11	814.75	814.01	815.01	815.13	814.48
16	812.53	809.98	812.32	815.00	815.15	814.58	815.08	814.70	813.97	814.99	815.20	814.50
17	812.43	810.00	812.35	814.96	815.11	814.53	815.05	814.65	813.88	814.97	815.18	814.49
18	812.33	810.03	812.38	814.92	815.08	814.48	815.04	814.58	813.79	814.96	815.10	814.46
19	812.23	810.07	812.41	814.87	815.12	814.44	815.03	814.55	813.70	814.93	814.97	814.43
20	812.14	810.10	812.59	814.92	815.08	814.40	815.01	814.51	813.75	814.92	814.85	814.39
21	812.04	810.24	812.84	815.25	815.07	814.64	815.00	814.46	813.78	814.98	814.72	814.40
22	811.94	810.32	812.93	815.18	815.30	814.66	815.02	814.44	813.80	814.86	814.60	814.39
23	811.85	810.35	813.01	815.11	815.22	814.64	815.01	814.74	813.80	814.94	814.47	814.35
24	811.76	810.40	813.06	815.11	815.16	814.61	814.98	814.76	813.78	815.02	814.43	814.31
25	811.66	810.44	813.12	815.10	815.07	814.61	814.95	814.71	813.79	815.04	814.21	814.27
26	811.56	810.52	813.52	815.13	815.06	814.58	814.91	814.75	813.92	815.03	814.08	814.24
27	811.47	810.60	813.84	815.13	815.05	814.56	814.88	814.86	813.94	815.02	814.03	814.31
28	811.41	810.73	813.97	815.18	815.03	814.53	814.84	814.84	813.97	815.02	814.05	814.44
29	811.32	810.76	814.12	815.15	------	815.03	814.80	814.79	813.98	815.01	814.06	814.43
30	811.22	810.80	814.33	815.12	------	815.26	814.75	814.76	813.97	814.99	814.06	814.41
31	811.18	------	814.86	815.08	------	815.18	------	814.70	------	814.97	814.07	------
MEAN	812.50	810.41	812.46	815.15	815.13	814.75	815.14	814.73	814.12	814.85	814.77	814.34
MAX	813.76	811.09	814.86	815.66	815.31	815.26	816.24	814.86	814.66	815.13	815.20	814.50
MIN	811.18	809.93	810.84	814.87	815.03	814.40	814.75	814.44	813.70	813.94	814.03	814.08
(†)	5.53	5.36	7.23	7.34	7.32	7.39	7.18	7.15	6.79	7.28	6.84	7.00
(‡)	-57.37	-8.77	93.33	5.49	-1.11	3.49	-10.83	-1.50	-18.57	24.46	-21.96	8.25

CAL YR 1973 ‡ -0.34 MAX 816.75 MIN 809.93
WTR YR 1974 ‡ 1.36 MAX 816.24 MIN 809.93

(†) CONTENTS, IN BILLIONS OF GALLONS, AT END OF MONTH.
(‡) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

NOTE.--ELEVATIONS FOR JULY 25 TO AUG. 20 WERE OBTAINED FROM GRAPH OF 0800 READINGS FROM SPARTANBURG WATER WORKS LOG.

02155500 PACOLET RIVER NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'35", long 81°57'35", Spartanburg County, on right bank 100 ft (30 m) upstream from highway bridge, 0.2 mi (0.3 km) downstream from confluence of North Pacolet and South Pacolet Rivers, 2.8 mi (4.5 km) southeast of Fingerville, and at mile 46.5 (74.8 km).

DRAINAGE AREA.--212 mi^2 (549 km^2).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 706.33 ft (215.289 m) above mean sea level.

AVERAGE DISCHARGE.--45 years, 344 ft^3/s (9.742 m^3/s), 22.04 in/yr (560 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,660 ft^3/s (132 m^3/s) Apr. 5, gage height, 7.16 ft (2.182 m); minimum daily, 122 ft^3/s (3.46 m^3/s) Sept. 20.

Period of record: Maximum discharge, 22,800 ft^3/s (646 m^3/s) Aug. 14, 1940, gage height, 22.43 ft (6.837 m), from rating curve extended above 9,600 ft^3/s (272 m^3/s) by velocity-area studies; minimum daily, 32 ft^3/s (0.91 m^3/s) Oct. 6, 7, 1954.

Flood of June 1903 reached a stage of 46 ft (14.0 m), from floodmark (discharge not determined).

REMARKS.--Records good. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (see preceding page). Some diurnal fluctuation caused by mill on North Pacolet River. About 24,180,000 gal per day (91,500 m^3) or 37.4 ft^3/s (1.06 m^3/s) diverted above station for city of Spartanburg water supply during water year 1974.

REVISIONS (WATER YEARS).--WSP 1303: 1930-39 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	391	234	158	1,740	432	389	561	328	329	178	181	134
2	346	208	152	1,460	560	352	419	348	326	171	175	135
3	297	202	152	1,030	929	344	1,040	377	320	164	199	132
4	266	193	155	912	729	336	3,730	344	309	219	332	127
5	209	199	414	735	599	336	3,880	402	304	405	219	125
6	244	199	713	637	545	328	1,340	419	305	746	230	162
7	238	205	298	599	615	321	839	356	423	411	245	217
8	240	205	237	460	840	313	735	340	352	458	334	158
9	244	199	221	465	714	317	793	352	327	291	392	146
10	242	193	205	460	604	332	647	352	312	238	304	140
11	239	193	193	446	566	336	551	332	308	229	293	139
12	237	196	190	446	545	344	480	515	291	218	340	135
13	233	196	193	397	455	340	520	475	286	210	359	159
14	233	202	221	356	451	324	530	377	264	204	269	145
15	229	169	202	332	451	321	577	348	271	198	272	137
16	226	145	211	313	530	356	546	340	271	193	317	139
17	196	140	202	287	545	332	419	336	279	189	269	135
18	181	140	184	258	475	321	381	324	276	209	269	135
19	196	140	181	251	485	336	360	321	271	189	336	126
20	227	137	205	283	432	368	340	368	233	183	251	122
21	224	164	495	978	352	583	324	344	232	180	250	125
22	224	221	309	753	682	402	344	340	244	172	245	134
23	224	161	244	593	1,000	360	385	475	222	197	244	137
24	202	147	218	525	670	344	348	418	180	218	240	126
25	164	142	202	475	604	348	336	352	178	199	239	125
26	178	150	419	500	560	332	344	338	180	188	238	127
27	196	196	1,170	593	495	328	340	522	225	181	235	141
28	211	205	567	571	442	324	317	402	273	192	187	326
29	254	227	340	588	------	918	332	361	215	222	145	246
30	234	175	419	490	------	1,010	332	341	190	229	142	252
31	231	------	567	451	------	674	------	332	------	186	134	------
TOTAL	7,256	5,483	9,637	18,384	16,307	12,369	22,090	11,579	8,196	7,467	7,885	4,587
MEAN	234	183	311	593	582	399	736	374	273	241	254	153
MAX	391	234	1,170	1,740	1,000	1,010	3,880	522	423	746	392	326
MIN	164	137	152	251	352	313	317	321	178	164	134	122
CFSM	1.10	.86	1.47	2.80	2.75	1.88	3.47	1.76	1.29	1.14	1.20	.72
IN.	1.27	.96	1.69	3.23	2.86	2.17	3.88	2.03	1.44	1.31	1.38	.80

CAL YR 1973 TOTAL 169,201 MEAN 464 MAX 5,000 MIN 137 CFSM 2.19 IN 29.69
WTR YR 1974 TOTAL 131,240 MEAN 360 MAX 3,880 MIN 122 CFSM 1.70 IN 23.03

02156500 BROAD RIVER NEAR CARLISLE, S.C.

LOCATION.--Lat 34°35'46", long 81°25'20", Union County, on right bank at downstream side of bridge on State Highway 72, 1.3 mi (2.1 km) upstream from Sandy River, 2.0 mi (3.2 km) downstream from Seaboard Coast Line Railroad bridge, 2.5 mi (4.0 km) east of Carlisle, 5.0 mi (8.0 km) downstream from Neals Shoals Dam, and at mile 226.0 (363.6 km).

DRAINAGE AREA.--2,790 mi² (7,230 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 290.70 ft (88.605 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE.--36 years, 3,985 ft³/s (112.9 m³/s), 19.40 in/yr (493 mm/yr).

EXTREMES.--Current year: Maximum discharge, 40,400 ft³/s (1,140 m³/s) Apr. 6, gage height, 17.61 ft (5.368 m); minimum, 237 ft³/s (6.71 m³/s) Aug. 29; minimum daily, 867 ft³/s (24.6 m³/s) Aug. 29.

Period of record: Maximum discharge, 103,000 ft³/s (2,917 m³/s) Aug. 15, 1940, gage height, 29.41 ft (8.964 m), from rating curve extended above 66,000 ft³/s (1,869 m³/s) on basis of computation of peak flow over Neals Shoals Dam; minimum, 37 ft³/s (1.05 m³/s), Aug. 29, 1955; minimum daily, 44 ft³/s (1.25 m³/s) Sept. 2, 1956.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 892: 1939(M), drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,390	2,350	3,250	18,100	5,310	4,460	8,340	3,600	3,060	4,460	2,300	2,190
2	6,040	2,360	2,730	22,600	5,330	4,440	6,210	3,170	3,430	2,980	2,890	2,300
3	6,200	2,350	2,320	12,300	9,830	4,040	4,870	4,110	4,470	2,830	4,160	2,070
4	5,180	2,270	2,410	9,340	11,900	3,830	9,860	4,200	3,620	2,960	3,780	2,190
5	3,580	2,240	2,400	8,790	7,910	3,410	28,900	3,890	3,170	2,760	7,750	2,270
6	2,750	1,970	4,260	7,100	6,470	3,660	36,000	4,100	2,780	3,990	5,790	2,740
7	2,360	2,270	6,520	6,190	8,070	3,910	15,100	5,380	2,840	8,410	5,070	3,250
8	2,460	2,130	4,940	5,770	13,700	3,760	8,990	4,830	4,850	7,680	5,200	2,870
9	2,630	2,160	3,950	5,290	14,600	3,600	9,390	4,210	5,460	6,230	7,140	1,520
10	2,550	2,280	3,740	4,840	8,650	3,570	8,300	6,220	4,450	4,880	6,470	1,180
11	2,630	1,990	3,310	5,030	6,580	3,570	6,740	6,180	3,250	3,370	5,070	1,700
12	2,320	2,080	2,410	4,790	5,680	3,410	6,030	4,890	4,570	3,150	4,260	2,410
13	2,400	2,110	2,610	4,460	4,880	3,720	5,670	6,180	4,840	3,150	4,570	1,860
14	2,270	2,270	2,810	4,320	5,030	3,850	6,630	6,650	3,530	3,020	4,300	2,510
15	2,240	2,160	2,930	4,120	4,880	3,530	7,390	5,330	2,760	3,100	3,740	3,230
16	2,400	2,320	3,120	3,570	5,390	3,250	6,120	4,440	2,670	2,660	2,850	2,430
17	2,210	2,020	3,060	3,970	8,320	3,250	5,320	4,120	3,260	2,590	2,130	2,320
18	2,020	1,990	3,290	3,760	6,900	3,550	5,040	3,480	3,440	2,160	2,280	2,870
19	2,280	1,970	2,730	3,060	5,390	3,450	4,560	3,460	3,570	3,490	2,590	2,160
20	2,240	2,020	2,710	3,410	5,910	3,450	4,420	3,410	3,020	2,850	2,430	2,270
21	1,930	1,760	4,120	6,920	5,350	3,800	4,190	3,780	2,640	2,430	1,950	2,250
22	2,180	2,660	5,830	16,000	5,270	4,710	4,170	3,870	2,780	2,180	2,050	2,250
23	2,050	2,560	5,740	9,240	8,860	5,560	4,140	3,680	3,080	2,530	1,650	2,040
24	2,240	2,740	4,100	6,610	8,480	4,440	4,570	4,730	3,250	2,610	1,350	2,220
25	2,140	2,350	3,470	7,280	6,760	4,120	4,490	4,670	2,510	2,760	1,480	2,410
26	1,990	2,540	3,230	8,620	5,430	4,040	3,800	3,890	2,660	2,800	1,450	1,990
27	2,220	2,190	5,910	7,520	4,960	3,910	3,970	3,780	2,830	2,440	1,690	2,010
28	1,970	2,410	14,300	7,120	4,690	3,660	3,750	4,320	5,350	2,490	1,310	2,930
29	2,270	2,540	7,570	8,930	------	3,510	3,720	4,360	6,470	2,800	867	4,340
30	2,510	3,230	6,130	7,660	------	10,700	3,360	3,640	5,090	2,490	1,670	4,340
31	2,490	------	7,750	6,210	------	12,500	------	3,510	------	2,540	1,760	------
TOTAL	83,140	68,290	133,650	232,920	200,530	134,660	234,040	136,080	109,700	104,790	101,997	73,120
MEAN	2,682	2,276	4,311	7,514	7,162	4,344	7,801	4,390	3,657	3,380	3,290	2,437
MAX	6,200	3,230	14,300	22,600	14,600	12,500	36,000	6,650	6,470	8,410	7,750	4,340
MIN	1,930	1,760	2,320	3,060	4,690	3,250	3,360	3,170	2,510	2,160	867	1,180
CFSM	[illegible]	.82	1.55	2.69	2.57	1.56	2.80	1.57	1.31	1.21	1.18	.87
IN.	[illegible]	.91	1.78	3.11	2.67	1.80	3.12	1.81	1.46	1.40	1.36	.97

CAL YR 1973 TOTAL 2,008,890 MEAN 5,504 MAX 54,000 MIN 1,760 CFSM 1.97 IN 26.79
WTR YR 1974 TOTAL 1,612,917 MEAN 4,419 MAX 36,000 MIN 867 CFSM 1.58 IN 21.51

PEAK DISCHARGE (BASE, 25,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-06	0730	17.61	40,400				

02157000 NORTH TYGER RIVER NEAR FAIRMONT, S.C.

LOCATION.--Lat 34°55'45", long 82°02'40", Spartanburg County, on left bank 80 ft (24 m) downstream from Frey Creek, 2.2 mi (3.5 km) north of Fairmont, and at mile 57.9 (93.2 km).

DRAINAGE AREA.--44 mi^2 (114 km^2), approximately.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorders and concrete control. Altitude of gage is 680 ft (207 m) (from topographic map).

AVERAGE DISCHARGE.--24 years, 65.2 ft^3.s (1.85 m^3/s), 20.12 in/yr (511 mm/yr).

EXTREMES.--Current year: Maximum discharge, 762 ft^3/s (21.6 m^3/s) Jan. 1, gage height 4.51 ft (1.375 m); minimum daily, 24 ft^3/s (0.68 m^3/s) Aug. 31.

Period of record: Maximum discharge, 3,610 ft^3/s (102 m^3/s) May 26, 1959 (gage height, 13.58 ft), from rating curve extended above 2,100 ft^3/s (59.5 m^3/s); minimum, 6.0 ft^3/s (0.17 m^3/s) Sept. 19, 20, 1954; minimum daily, 7.0 ft^3/s (0.20 m^3/s) Sept. 19, 1954.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	48	41	654	70	65	84	50	58	40	29	28
2	51	40	39	206	125	63	79	59	54	37	35	29
3	47	38	40	153	154	60	78	104	53	35	34	28
4	44	37	41	144	104	60	209	61	49	35	31	28
5	42	38	92	101	86	61	351	76	48	43	32	27
6	39	37	63	85	95	60	130	80	48	63	36	46
7	38	37	51	84	126	60	97	62	75	52	36	42
8	40	38	47	71	241	59	103	58	59	60	64	34
9	42	39	48	77	133	58	118	62	49	42	51	32
10	40	37	45	73	99	57	86	56	46	38	40	32
11	39	36	43	70	87	57	78	54	44	38	37	31
12	40	38	42	63	80	60	74	109	44	37	37	30
13	39	39	48	59	76	65	123	69	46	35	55	30
14	38	40	49	59	77	57	90	59	43	35	39	28
15	39	40	48	61	73	56	82	55	42	35	37	27
16	38	40	49	56	107	57	74	52	43	34	37	29
17	37	38	46	54	89	55	71	50	41	33	36	30
18	37	37	43	51	77	55	69	49	40	33	34	31
19	37	38	43	51	95	56	66	48	39	31	32	28
20	37	38	55	53	82	56	64	59	39	31	31	27
21	36	45	71	302	73	91	62	53	50	30	30	26
22	35	45	53	123	118	67	63	53	42	30	30	27
23	36	40	50	91	89	58	72	140	38	34	29	29
24	36	38	48	84	78	56	61	80	37	38	28	27
25	36	38	46	118	72	61	57	60	37	43	27	28
26	35	41	76	112	68	58	57	55	40	35	27	28
27	34	44	79	98	66	56	55	96	118	36	27	30
28	36	48	61	97	66	56	52	63	58	36	26	69
29	45	44	58	98	------	178	52	55	47	34	26	35
30	38	40	113	82	------	214	51	53	43	32	25	30
31	39	------	192	75	------	105	------	53	------	29	24	------
TOTAL	1,247	1,196	1,820	3,505	2,706	2,177	2,708	2,033	1,470	1,164	1,062	946
MEAN	40.2	39.9	58.7	113	96.6	70.2	90.3	65.6	49.0	37.5	34.3	31.5
MAX	77	48	192	654	241	214	351	140	118	63	64	69
MIN	34	36	39	51	66	55	51	48	37	29	24	26
CFSM	.91	.91	1.33	2.57	2.20	1.60	2.05	1.49	1.11	.85	.78	.72
IN.	1.05	1.01	1.54	2.96	2.29	1.84	2.29	1.72	1.24	.98	.90	.80

CAL YR 1973 TOTAL 29,982 MEAN 82.1 MAX 1,180 MIN 30 CFSM 1.87 IN 25.35
WTR YR 1974 TOTAL 22,034 MEAN 60.4 MAX 654 MIN 24 CFSM 1.37 IN 18.63

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-01	1330	4.51	762				

02160105 TYGER RIVER NEAR DELTA, S.C.

LOCATION.--Lat 34°32'07", long 81°32'54", Union County, on right bank at downstream side of bridge on State Highway 72 and 121, 0.9 mi (1.4 km) downstream from Seaboard Coast Line Railroad, 0.8 mi (1.3 km) southeast of Delta, and at mile 9.0 (14.5 km).

DRAINAGE AREA.--759 mi^2 (1966 km^2).

PERIOD OF RECORD.--Current year.

GAGE.--Water-stage recorder. Altitude of gage is 300 ft (91 m) (from topographic map).

EXTREMES.--Current year: Maximum discharge, 7,770 ft^3/s (220 m^3/s) Jan 2, gage height, 14.88 ft (4.535 m); minimum daily, 428 ft^3/s (12.1 m^3/s) Aug. 31, Sept. 2.

REMARKS.--Records good. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	904	656	716	4,660	1,490	1,200	2,160	955	876	800	520	432
2	1,190	684	688	7,400	1,420	1,170	1,570	940	880	620	496	428
3	1,190	668	712	6,560	1,870	1,140	1,420	1,060	964	580	652	544
4	1,190	624	744	3,450	2,480	1,120	1,570	1,290	988	548	748	528
5	928	604	832	2,480	2,200	1,090	4,860	1,230	848	560	708	472
6	716	588	1,140	2,200	1,740	1,080	6,300	1,180	796	1,360	836	632
7	672	576	1,310	1,890	2,350	1,060	5,340	1,280	796	2,700	836	980
8	636	584	1,170	1,790	3,640	1,030	2,740	1,160	1,020	4,250	1,130	952
9	636	612	1,140	1,570	4,250	1,010	2,240	1,060	1,080	2,910	1,560	784
10	672	620	1,100	1,430	3,510	992	2,200	1,040	940	1,300	1,410	668
11	648	600	992	1,420	2,190	968	1,830	1,000	832	1,030	1,140	604
12	616	592	896	1,360	1,770	964	1,570	1,050	772	884	912	552
13	596	588	880	1,280	1,570	1,090	1,560	1,270	748	872	1,160	528
14	584	600	956	1,180	1,510	1,110	1,960	1,260	736	800	1,340	504
15	564	608	960	1,180	1,580	1,020	1,850	1,080	712	724	1,200	508
16	560	612	968	1,170	2,110	980	1,620	968	684	660	992	508
17	556	608	1,080	1,120	2,620	964	1,430	916	712	616	956	500
18	544	592	1,040	1,080	2,030	948	1,330	876	688	584	796	572
19	528	592	972	1,030	1,650	936	1,250	844	648	548	720	560
20	528	588	920	1,000	1,670	952	1,200	824	640	600	656	516
21	516	604	1,060	1,800	1,550	996	1,160	900	652	552	616	492
22	512	672	1,180	2,760	1,690	1,110	1,120	884	680	508	580	476
23	508	728	1,170	2,630	2,030	1,180	1,120	1,130	688	500	552	468
24	516	700	1,020	1,840	1,910	1,060	1,150	1,420	640	492	532	464
25	520	664	932	1,880	1,570	1,010	1,100	1,460	600	532	520	468
26	516	644	904	2,650	1,390	1,040	1,050	1,150	576	624	500	464
27	512	652	1,010	2,460	1,290	1,020	1,040	1,070	572	856	490	464
28	516	684	1,290	2,140	1,240	984	1,020	1,160	1,840	744	482	588
29	644	756	1,240	2,370	------	1,060	1,000	1,140	2,220	828	468	1,230
30	688	772	1,230	2,010	------	1,720	978	976	1,300	772	444	936
31	640	------	1,920	1,690	------	2,530	------	904	------	608	428	------
TOTAL	20,546	19,072	32,192	69,480	56,320	34,534	56,738	33,477	26,128	29,962	24,380	17,822
MEAN	663	636	1,038	2,241	2,011	1,114	1,891	1,080	871	967	786	594
MAX	1,190	772	1,920	7,400	4,250	2,530	6,300	1,460	2,220	4,250	1,560	1,230
MIN	508	576	688	1,000	1,240	936	978	824	572	492	428	428

WTR YR 1974 TOTAL 420,651 MEAN 1,152 MAX 7,400 MIN 428

PEAK DISCHARGE (BASE, 7,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-2	1100	14.88	7,770				

02160500 ENOREE RIVER NEAR ENOREE, S.C.

LOCATION.--Lat 34°36'38", long 81°54'35", Spartanburg County, on left bank 60 ft (18 m) upstream from bridge on State Highway 49, 0.6 mi (1.0 km) upstream from Warrior Creek, 4.0 mi (6.4 km) southeast of Enoree, and at mile 47.7 (76.7 km)(revised).

DRAINAGE AREA.--307 mi^2 (795 km^2).

PERIOD OF RECORD.--August 1929 to current year.

GAGE.--Water-stage and water-temperature recorders. Datum of gage is 448.13 ft (136.590 m) above mean sea level. Prior to Nov. 20, 1929, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--45 years, 427 ft^3/s (12.09 m^3/s), 18.89 in/yr (480 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,060 ft^3/s (115 m^3/s) Jan. 2, gage height, 4.48 ft (1.366 m); minimum, 137 ft^3/s (3.88 m^3/s) Oct. 9, gage height, 1.99 ft (0.607 m); minimum daily, 177 ft^3/s (5.01 m^3/s) Sept. 27.

Period of record: Maximum discharge, 30,300 ft^3/s (850 m^3/s) Oct. 2, 1929, gage height, 10.5 ft (3.20 m)(from floodmark), from rating curve extended above 17,000 ft^3/s (481 m^3/s); minimum, 8 ft^3/s (0.23 m^3/s) Oct. 5, 1941; minimum daily, 20 ft^3/s (0.57 m^3/s) Oct. 2-4, 7, 1954.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station.

REVISION (WATER YEARS).--WSP 802: 1930(M). WSP 892: 1929-30, 31(M), 1932-33, 1935. WSP 1112: 1934(M). WSP 1383: 1935-36(m), 1941(m), 1951-52(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	316	251	238	3,210	507	468	526	371	339	258	225	212
2	379	258	231	3,680	547	459	468	363	371	245	323	219
3	300	231	231	1,630	938	450	487	516	414	231	347	251
4	272	225	231	966	911	432	952	526	339	225	286	219
5	258	225	293	820	642	423	2,840	432	316	258	316	206
6	245	225	536	631	599	414	1,810	557	316	557	339	286
7	238	225	379	631	952	405	757	487	567	536	733	423
8	238	225	293	609	1,630	405	631	414	468	1,420	858	308
9	238	238	272	516	1,500	396	884	405	371	526	924	251
10	251	231	300	536	845	388	642	405	331	388	526	238
11	238	219	272	507	676	379	536	388	308	516	396	225
12	238	219	258	487	599	388	497	468	300	414	363	219
13	231	219	265	450	557	432	620	547	279	347	388	200
14	231	225	293	432	567	396	733	423	272	300	339	212
15	231	219	300	432	620	371	599	379	300	279	308	206
16	231	225	316	432	858	363	516	371	279	265	884	200
17	219	219	308	405	938	363	478	363	331	258	414	219
18	212	219	279	388	676	355	450	347	279	245	339	219
19	212	219	272	379	653	355	432	339	265	245	316	206
20	212	219	272	379	710	355	432	355	265	272	293	188
21	212	225	379	1,220	588	379	423	347	308	286	286	183
22	212	293	567	1,450	807	507	414	347	279	300	272	183
23	206	265	396	698	1,020	388	441	468	258	265	258	188
24	206	238	339	578	698	355	432	770	238	265	251	188
25	206	225	316	966	588	355	396	526	231	272	245	183
26	206	225	323	966	536	363	388	405	231	272	245	183
27	206	225	468	745	507	347	396	432	599	258	238	177
28	212	251	441	687	478	339	388	507	441	331	231	414
29	251	279	363	722	------	405	379	388	316	300	225	371
30	245	258	478	620	------	1,140	371	363	279	251	206	238
31	231	------	832	547	------	820	------	347	------	231	206	------
TOTAL	7,383	7,020	10,741	26,719	21,147	13,395	19,318	13,356	9,890	10,816	11,580	7.015
MEAN	238	234	346	862	755	432	644	431	330	349	374	234
MAX	379	293	832	3,680	1,630	1,140	2,840	770	599	1,420	924	423
MIN	206	219	231	379	478	339	371	339	231	225	206	177
CFSM	.78	.76	1.13	2.81	2.46	1.41	2.10	1.40	1.07	1.14	1.22	.76
IN.	.89	.85	1.30	3.24	2.56	1.62	2.34	1.62	1.20	1.31	1.40	.85

CAL YR 1973 TOTAL 214,132 MEAN 587 MAX 7,410 MIN 183 CFSM 1.91 IN 25.95
WTR YR 1974 TOTAL 158,380 MEAN 434 MAX 3,680 MIN 177 CFSM 1.41 IN 19.19

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-02	0730	4.48	4,060				

02160700 ENOREE RIVER AT WHITMIRE, S.C.

LOCATION.--Lat 34°30'33", long 81°35'54", Union County, on left bank at upstream side of bridge on U.S. Highway 176, 0.4 mi (0.6 km) downstream from Seaboard Coast Line Railroad, 0.5 mi (0.8 km) northeast of Whitmire, and at mile 19.2 (30.9 km).

DRAINAGE AREA.--444 mi² (1,150 km²).

PERIOD OF RECORD.--Current year.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft (91.440 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 3,980 ft³/s (113 m³/s) Jan. 3, gage height 24.11 ft (7.349 m); minimum, 197 ft³/s (5.58 m³/s) Sept. 24, gage height, 14.89 (4.538 m).
Flood of September 15, 1973 reached a stage of 30.11 ft (9.178 m), discharge, 12,900 ft³/s (365 m³/s).

REMARKS.--Records good. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	435	317	310	2,450	676	625	815	440	399	305	254	241
2	527	341	286	3,670	642	604	664	427	403	284	254	252
3	519	326	277	3,830	881	590	636	455	425	270	399	282
4	437	305	277	1,890	1,180	575	756	625	470	261	379	338
5	401	296	298	1,210	912	559	2,660	569	391	263	326	277
6	379	291	496	943	750	546	3,330	553	370	511	389	324
7	360	286	625	806	1,220	538	1,840	609	477	921	538	548
8	350	286	425	827	2,030	525	977	511	556	1,840	704	514
9	348	298	379	707	2,270	514	1,190	460	488	1,360	1,110	372
10	341	305	350	653	1,490	506	1,080	452	408	656	768	315
11	348	293	358	662	958	496	839	437	365	519	519	293
12	338	284	319	609	815	488	756	467	341	623	447	282
13	329	284	310	575	741	519	776	598	329	483	480	268
14	326	289	336	527	718	553	1,140	538	310	411	493	259
15	322	289	365	530	815	493	924	442	305	372	389	272
16	319	289	379	522	1,130	477	803	413	346	343	670	254
17	315	289	399	501	1,550	475	713	413	336	324	756	250
18	305	284	365	475	1,040	470	667	411	343	312	455	263
19	293	282	324	452	854	470	634	391	300	303	389	250
20	289	282	317	440	909	475	606	384	286	303	367	234
21	289	286	365	848	815	509	582	401	293	322	341	225
22	289	326	538	1,780	900	612	564	396	338	336	324	227
23	284	379	572	1,200	1,280	625	561	548	300	343	315	212
24	282	336	427	788	1,060	535	582	788	277	307	307	217
25	284	307	377	830	821	514	543	927	259	312	289	219
26	286	298	358	1,270	730	530	511	569	250	315	286	214
27	282	291	396	1,040	676	522	493	546	261	305	279	219
28	275	298	546	934	645	506	480	590	753	305	259	227
29	317	338	450	1,110	------	535	467	519	420	384	247	556
30	331	343	447	931	------	897	452	465	348	319	241	391
31	312	------	912	759	------	1,340	------	420	------	277	238	------
TOTAL	10,512	9,118	12,583	33,769	28,508	17,623	27,041	15,764	11,147	14,189	13,212	8,795
MEAN	339	304	406	1,089	1,018	568	901	509	372	458	426	293
MAX	527	379	912	3,830	2,270	1,340	3,330	927	753	1,840	1,110	556
MIN	275	282	277	440	642	470	452	384	250	261	238	212

WTR YR 1974 TOTAL 202,261 MEAN 554 MAX 3,830 MIN 212

PEAK DISCHARGE (BASE, 4,000 CFS).--No peaks above base.

02161500 BROAD RIVER AT RICHTEX, S.C.

LOCATION.--Lat 34°11'05", long 81°11'48", Richland County, on right bank 0.8 mi (1.3 km) west of Richtex, 1.2 mi (1.9 km) upstream from Little River, 10.2 mi (16.4 km) downstream from Parr Shoals Dam, and at mile 191.2 (307.6 km).

DRAINAGE AREA.--4,850 mi^2 (12,560 km^2), approximately.

PERIOD OF RECORD.--October 1925 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 184.84 ft (56.339 m) above mean sea level.

AVERAGE DISCHARGE.--49 years, 6,142 ft^3/s (173.9 m^3/s), 17.20 in/yr (437 mm/yr).

EXTREMES.--Current year: Maximum discharge, 47,500 ft^3/s (1,350 m^3/s) Apr. 6, gage height 12.11 ft (3.691 m); minimum daily, 2,220 ft^3/s (62.9 m^3/s).

Period of record: Maximum discharge, 228,000 ft^3/s (6,460 m^3/s) Oct. 3, 1929, gage height, 30.7 ft (9.36 m) (from floodmarks), on basis of computation of flow over Parr Shoals Dam; minimum daily, 149 ft^3/s (4.22 m^3/s) Oct. 13, 1935, Sept. 2, 1957.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff.

REVISIONS (WATER YEARS).--WSP 757: 1930(M). WSP 972: Drainage area. WSP 1383: 1929(M), 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,630	3,310	4,430	19,900	9,440	7,500	13,900	4,810	4,150	5,230	2,680	2,610
2	4,840	3,290	3,680	32,200	8,320	7,500	9,950	4,780	5,260	5,410	3,440	3,390
3	8,640	3,290	3,760	29,000	10,400	7,000	7,870	4,780	4,810	3,040	4,380	2,460
4	7,250	3,210	3,160	20,900	16,900	6,000	7,410	5,600	5,380	3,900	4,780	3,390
5	5,920	3,060	4,090	16,300	19,700	5,500	25,500	6,250	5,080	3,900	6,340	3,160
6	4,230	2,850	4,010	12,600	25,300	6,000	43,500	6,010	3,870	3,710	8,320	4,700
7	3,240	2,680	7,070	10,400	19,200	6,000	37,500	6,400	3,760	9,710	8,000	7,500
8	3,500	3,110	7,620	9,300	13,000	6,000	19,100	7,010	4,730	14,200	7,250	7,810
9	3,630	3,190	6,610	8,540	9,850	6,000	13,500	6,190	7,350	14,600	7,620	5,810
10	3,840	2,960	5,560	7,780	8,290	5,500	13,800	5,630	6,400	9,510	10,400	4,580
11	3,520	3,010	5,290	7,470	7,870	5,500	10,900	8,480	5,080	7,220	8,870	2,660
12	3,340	2,960	3,710	7,470	8,060	5,110	9,200	7,100	4,180	4,580	6,950	3,710
13	3,190	2,570	4,090	7,100	9,880	4,960	8,510	6,580	6,640	4,750	6,400	2,780
14	3,260	2,960	4,410	6,220	14,800	5,530	10,700	8,670	5,110	4,150	7,070	2,220
15	3,260	2,920	4,810	6,460	13,500	5,630	11,900	7,590	4,180	3,930	7,100	3,900
16	3,160	3,420	4,870	5,890	10,000	4,960	10,300	6,460	3,390	4,350	6,070	3,790
17	3,310	2,800	4,670	5,840	8,500	4,780	8,450	5,870	4,150	3,310	4,350	2,990
18	3,160	3,090	5,320	6,010	9,500	5,110	7,530	5,170	4,150	3,290	5,530	2,960
19	2,330	2,680	4,580	5,080	10,500	4,960	7,070	4,670	4,580	3,290	4,010	3,060
20	3,520	2,730	4,520	5,110	10,500	4,900	6,430	4,990	3,680	4,460	4,840	3,140
21	2,550	2,940	5,110	6,950	9,200	4,960	6,670	4,230	4,210	2,730	3,340	2,990
22	2,780	3,160	6,190	18,700	8,480	5,980	5,630	5,320	3,420	3,470	4,670	3,010
23	2,990	3,650	8,000	18,600	11,400	6,790	5,950	5,290	4,180	2,940	3,110	2,390
24	2,890	3,950	6,860	12,100	13,800	7,010	5,950	6,010	3,550	3,260	3,570	3,140
25	2,940	3,370	5,380	9,640	11,000	5,920	6,400	7,440	3,630	3,160	3,110	2,850
26	2,730	3,570	5,690	12,500	9,000	5,530	6,070	6,980	3,310	3,340	3,420	2,850
27	2,780	2,890	4,900	12,600	8,000	5,500	5,290	5,870	4,320	3,760	3,140	2,550
28	2,870	3,470	11,700	11,700	7,500	5,500	5,470	5,530	4,460	3,420	3,340	2,890
29	2,780	3,520	12,600	15,600	------	5,080	5,170	6,010	8,320	3,420	2,610	3,980
30	3,760	3,980	8,320	16,200	------	8,060	5,110	5,560	7,350	4,120	2,990	6,400
31	3,440	------	9,370	12,400	------	15,900	------	4,930	------	3,240	2,660	------
TOTAL	113,280	94,590	180,380	376,560	321,890	190,670	340,730	186,210	142,680	153,400	160,360	109,670
MEAN	3,654	3,153	5,819	12,150	11,500	6,151	11,360	6,007	4,756	4,948	5,173	3,656
MAX	8,640	3,980	12,600	32,200	25,300	15,900	43,500	8,670	8,320	14,600	10,400	7,810
MIN	2,330	2,570	3,160	5,080	7,500	4,780	5,110	4,230	3,310	2,730	2,610	2,220
CFSM	.75	.65	1.20	2.51	2.37	1.27	2.34	1.24	.98	1.02	1.07	.75
IN.	.87	.73	1.38	2.89	2.47	1.46	2.61	1.43	1.09	1.18	1.23	.84

CAL YR 1973 TOTAL 3,155,330 MEAN 8,645 MAX 71,300 MIN 2,330 CFSM 1.78 IN 24.20
WTR YR 1974 TOTAL 2,370,420 MEAN 6,494 MAX 43,500 MIN 2,220 CFSM 1.34 IN 18.18

PEAK DISCHARGE (BASE, 35,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-06	2045	12.11	47,500				

02162010 CEDAR CREEK NEAR BLYTHEWOOD, S.C.

LOCATION.--Lat 34°11'44", long 81°06'13", Richland County, on right bank at downstream side of bridge on State Road 59, 0.2 mi (0.3 km) above Williams Branch, 8.0 mi (12.9 km) southwest of Blythewood, and at mile 6.9 (11.1 km).

DRAINAGE AREA.--48 mi^2 (124 km^2), approximately.

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 240 ft (73 m)(from topographic map).

AVERAGE DISCHARGE.--7 years, 43.1 ft^3/s (1.221 m^3/s), 12.19 in/yr (310 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,640 ft^3/s (46.4 m^3/s) Apr. 5, gage height, 9.14 ft (2.786 m); minimum daily, 2.4 ft^3/s (0.068 m^3/s) Aug 1, 29, 30.

Period of record: Maximum discharge, 4,870 ft^3/s (138 m^3/s) July 4, 1968, gage height, 18.42 ft (5.614 m); minimum daily, 0.66 ft^3/s (0.019 m^3/s) Oct. 5, 6, 1968.

REMARKS.--Records good. Recording rain gage located at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	7.5	9.6	649	62	27	32	13	10	4.4	2.4	2.8
2	17	7.9	9.2	179	50	25	27	12	10	3.7	2.6	9.0
3	15	7.5	9.6	64	49	24	25	14	11	3.4	5.1	6.5
4	9.7	7.5	9.6	42	38	22	178	14	9.7	3.4	5.1	5.1
5	8.3	7.5	11	135	29	21	823	25	9.0	3.7	7.2	4.4
6	7.5	8.7	13	63	27	20	158	20	8.6	5.5	15	14
7	6.7	8.7	13	47	128	19	83	16	8.3	6.9	17	22
8	6.1	7.9	12	40	209	18	56	13	7.9	41	13	10
9	6.1	8.3	25	29	108	17	53	13	7.9	9.7	12	7.2
10	6.7	8.7	18	25	61	16	41	12	7.6	6.5	9.0	5.5
11	6.5	8.7	12	22	47	15	35	12	6.9	5.1	8.6	4.8
12	6.7	7.9	10	22	37	16	33	79	6.5	4.4	6.2	4.1
13	6.1	8.3	11	17	32	27	32	46	5.8	4.8	9.0	3.7
14	5.7	8.7	105	16	30	20	56	22	5.8	4.4	20	3.4
15	5.7	9.6	32	20	57	17	42	16	5.5	4.1	8.6	9.3
16	5.8	10	42	19	410	17	32	14	5.5	3.7	6.5	6.2
17	5.5	10	67	17	172	27	27	13	5.5	3.4	5.5	5.1
18	5.3	9.6	39	15	80	19	25	12	5.5	4.4	6.5	5.5
19	5.0	8.7	22	14	83	19	22	53	4.8	3.0	5.5	4.4
20	5.0	9.6	66	14	79	29	21	57	4.8	3.0	4.1	3.7
21	5.1	10	109	114	52	41	19	21	11	3.7	3.4	3.0
22	5.5	11	48	62	93	39	19	16	7.9	9.0	3.0	11
23	6.2	13	30	36	73	25	19	18	5.8	4.8	3.0	10
24	6.4	11	22	34	49	22	17	20	4.8	3.7	3.0	5.8
25	6.5	10	19	36	41	188	16	14	4.1	4.8	2.8	4.1
26	6.4	10	18	45	33	93	15	12	4.1	4.8	2.8	3.7
27	6.4	11	18	98	29	50	15	30	4.4	3.4	2.6	4.1
28	6.0	11	16	113	28	38	14	18	6.9	3.0	2.6	4.1
29	6.7	11	15	325	------	79	14	14	7.2	3.4	2.4	4.1
30	10	11	15	340	------	77	13	12	5.1	2.8	2.4	3.4
31	8.3	------	21	109	------	43	------	11	------	2.6	2.6	------
TOTAL	223.9	280.3	867.0	2,761	2,186	1,110	1,962	662	207.9	174.5	199.5	190.0
MEAN	7.22	9.34	28.0	89.1	78.1	35.8	65.4	21.4	6.93	5.63	6.44	6.33
MAX	17	13	109	649	410	188	823	79	11	41	20	22
MIN	5.0	7.5	9.2	14	27	15	13	11	4.1	2.6	2.4	2.8
CFSM	.15	.19	.58	1.86	1.63	.75	1.36	.45	.14	.12	.13	.13
IN.	.17	.22	.67	2.14	1.69	.86	1.52	.51	.16	.14	.15	.15

CAL YR 1973 TOTAL 26,993.2 MEAN 74.0 MAX 2,520 MIN 5.0 CFSM 1.54 IN 20.92
WTR YR 1974 TOTAL 10,824.1 MEAN 29.7 MAX 823 MIN 2.4 CFSM .62 IN 8.39

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-01	0645	7.61	1,180	4-05	0045	9.14	1,640

02162080 CRANE CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 34°03'14", long 81°03'36", Richland County, at bridge on Brickyard Road, 1.2 mi (1.9 km) upstream from mouth, downstream from State Highway 215, and 4.0 mi (6.4 km) northwest of State Capitol.

DRAINAGE AREA.--66.5 mi² (172.2 km²).

PERIOD OF RECORD.--December 1967 to current year (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 160 ft (49 m)(from topographic map). Auxiliary water-stage recorder on the Broad River at the Columbia Canal Diversion Dam near Columbia.

AVERAGE DISCHARGE.--6 years, 64.3 ft³/s (1.821 m³/s), 13.13 in/yr (334 mm/yr).

EXTREMES.--Current year: Maximum discharge, 488 ft³/s (13.8 m³/s), Feb. 17, gage height 5.99 ft (1.826 m); maximum gage height, 6.11 ft (1.862 m)(caused by backwater); minimum daily, 1.6 ft³/s (0.045 m³/s) Oct. 21, June 19, 26.

Period of record: Maximum discharge, 2,530 ft³/s (71.6 m³/s), Aug. 5, 1971, gage height, 10.97 ft (3.344 m); minimum daily, 0.10 ft³/s (0.003 m³/s) July 20, 1970.

REMARKS.--Records good except those for periods of backwater, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	4.3	10	316	121	70	59	13	9.8	5.0	3.2	6.6
2	7.0	3.2	9.5	440	100	66	44	13	17	4.1	13	12
3	7.5	3.1	9.3	243	149	63	42	15	16	2.8	37	15
4	22	4.0	10	149	120	57	67	15	19	2.7	23	27
5	28	5.0	11	252	92	47	402	21	12	2.5	45	13
6	33	6.0	12	158	79	48	156	24	8.5	3.2	88	68
7	6.6	6.0	13	117	166	48	110	19	14	3.7	122	63
8	5.0	6.0	22	93	267	46	94	14	26	8.7	111	50
9	4.9	6.0	42	76	218	43	94	13	13	12	48	17
10	5.0	6.0	32	64	148	40	74	11	9.0	8.0	47	10
11	5.2	6.5	22	40	102	42	57	10	6.8	4.4	37	11
12	5.0	6.5	17	53	85	51	49	60	5.6	3.5	24	10
13	4.7	7.0	20	46	78	51	50	70	4.4	2.7	83	8.3
14	4.3	7.0	44	46	75	40	69	42	3.4	2.2	120	9.8
15	4.7	7.0	44	61	149	36	60	20	2.9	1.7	40	7.8
16	2.2	7.5	83	55	316	38	45	14	2.3	18	25	8.0
17	2.2	7.5	100	49	396	42	37	11	2.1	14	19	11
18	2.0	8.0	66	49	190	37	32	9.8	1.9	11	14	10
19	1.7	8.0	45	46	163	37	30	8.5	1.6	5.2	12	9.3
20	1.8	8.0	81	42	149	65	28	10	4.4	3.5	9.3	7.0
21	1.6	8.0	127	70	111	76	26	11	20	17	11	6.0
22	2.0	12	67	93	182	73	24	11	4.7	11	7.3	6.0
23	14	14	46	78	170	49	22	21	3.7	7.0	6.4	6.0
24	5.4	14	37	79	125	39	18	27	2.5	6.0	6.2	5.2
25	12	12	33	116	101	61	20	18	2.0	4.7	6.0	4.9
26	7.3	11	31	93	85	74	21	13	1.6	20	5.2	5.0
27	4.9	12	31	89	77	59	20	19	2.7	21	4.6	6.0
28	3.1	12	30	81	72	49	21	19	14	16	4.3	5.8
29	6.4	12	30	158	------	75	19	14	8.5	8.3	4.3	5.6
30	3.8	11	32	384	------	98	15	11	6.8	6.2	4.6	4.9
31	4.4	------	77	190	------	76	------	9.3	------	4.1	5.0	------
TOTAL	227.0	240.6	1,233.8	3,826	4,086	1,696	1,805	586.6	246.2	240.2	985.4	429.2
MEAN	7.32	8.02	39.8	123	146	54.7	60.2	18.9	8.21	7.75	31.8	14.3
MAX	33	14	127	440	396	98	402	70	26	21	122	68
MIN	1.6	3.1	9.3	40	72	36	15	8.5	1.6	1.7	3.2	4.9
CFSM	.11	.12	.60	1.85	2.20	.82	.91	.28	.12	.12	.48	.22
IN.	.13	.13	.60	2.14	2.29	.95	1.01	.33	.14	.13	.55	.24

CAL YR 1973 TOTAL 29,575.4 MEAN 81.0 MAX 750 MIN 1.6 CFSM 1.22 IN 16.54
WTR YR 1974 TOTAL 15,602.0 MEAN 42.7 MAX 440 MIN 1.6 CFSM .64 IN 8.73

PEAK DISCHARGE (BASE, 1,000 CFS).--No peaks above base. NOTE: Backwater Jan. 23, 29-30, Feb. 4, Mar. 31, Apr. 1, 5-10, July 8.

02162500 SALUDA RIVER NEAR GREENVILLE, S.C.

LOCATION.--Lat 34°50'32", long 82°28'51", Pickens County, on right bank 700 ft (213 m) upstream from bridge on State Road 124, 1.6 mi (2.6 km) downstream from Saluda Lake Dam, 2.4 mi (3.9 km) upstream from Georges Creek, 4.6 mi (7.4 km) west of city hall in Greenville, and at mile 132.0 (212.4 km).

DRAINAGE AREA.--293 mi^2 (759 km^2).

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1948, published as "near West Greenville."

GAGE.--Water-stage recorder. Altitude of gage is 810 ft (247 m) (from topographic map).

AVERAGE DISCHARGE.--33 years, 637 ft^3/s (18.04 m^3/s) 29.52 in/yr (750 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,830 ft^3/s (108 m^3/s) Jan. 1, gage height, 7.56 ft (2.304 m); minimum, 56 ft^3/s (1.59 m^3/s July 31, gage height, 1.86 ft (0.567 m); minimum daily, 265 ft^3/s (7.50 m^3/s) Nov. 2.

Period of record: Maximum discharge, 11,000 ft^3/s (312 m^3/s) Oct. 7, 1949, gage height, 19.38 ft (5.907 m), from rating curve extended above 7,500 ft^3/s (212 m^3/s) on basis of computation of peak flow over dam at Saluda Lake; minimum, 28 ft^3/s (0.79 m^3/s) Feb. 1, 1956, gage height, 1.65 ft (0.503 m); minimum daily, 70 ft^3/s (1.98 m^3/s) Oct. 16, 1954.

REMARKS.--Records good. Some regulation at low and medium flow by powerplant at Saluda Lake. Capacity of reservoir insufficient to affect monthly figures of runoff. About 41,049,000 gal. per day, 63.5 ft^3/s (1.80 m^3/s) diverted above station for city of Greenville water supply during water year. City of Greenville began diverting water from Saluda River (Table Rock Reservoir) in 1930, supplemented by North Saluda Reservoir in 1961. Sewage effluent discharged into Reedy River below station near Greenville.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	858	277	389	3,360	963	917	1,030	688	794	402	398	402
2	979	265	398	2,690	1,170	895	1,010	796	720	384	421	402
3	872	285	375	1,980	1,800	910	1,010	906	662	440	700	393
4	480	322	366	1,790	1,510	843	2,050	834	580	412	1,450	389
5	412	309	1,050	1,560	1,210	843	3,310	828	620	700	933	375
6	412	305	1,980	1,310	1,100	832	2,470	950	575	902	963	505
7	389	297	1,030	1,210	1,230	733	1,630	983	917	753	933	500
8	370	273	707	1,070	1,610	763	1,380	646	865	858	851	416
9	361	314	662	1,040	1,590	753	1,510	538	780	726	1,030	366
10	370	305	614	1,080	1,300	792	1,310	596	495	559	963	370
11	426	301	537	1,050	1,170	692	1,170	663	637	548	995	370
12	357	309	490	1,130	1,100	701	1,080	1,010	637	526	808	402
13	322	314	500	917	1,020	858	1,130	1,410	586	490	858	480
14	318	305	575	902	1,000	722	1,230	1,040	516	421	700	366
15	331	309	521	822	1,000	586	1,210	764	505	460	637	370
16	335	269	542	858	1,120	668	1,100	812	564	402	787	366
17	331	339	542	808	1,360	820	1,050	686	537	389	637	357
18	314	460	521	668	1,160	703	1,000	669	505	421	746	357
19	331	384	416	700	1,110	680	989	674	495	393	649	339
20	331	348	465	707	1,130	722	984	691	416	431	760	335
21	322	335	1,280	1,540	1,000	916	970	670	516	475	526	331
22	297	350	1,080	1,720	1,530	1,100	967	649	505	490	521	335
23	301	350	707	1,190	1,810	854	975	1,050	485	421	435	361
24	322	350	643	995	1,380	772	957	1,290	485	559	450	339
25	322	350	603	1,040	1,210	763	831	902	398	917	460	331
26	297	335	1,020	1,150	1,100	771	780	707	393	643	485	339
27	301	402	2,800	1,570	979	924	809	1,030	495	575	407	314
28	309	542	2,540	1,550	987	974	695	1,010	521	389	450	495
29	348	787	1,430	1,370	------	920	622	787	485	389	398	564
30	335	516	1,500	1,180	------	1,220	663	713	470	500	389	393
31	335	------	1,610	1,040	------	1,220	------	707	------	361	402	------
TOTAL	12,388	10,607	27,893	39,997	34,649	25,867	35,922	25,699	17,159	16,336	21,142	11,662
MEAN	400	354	900	1,290	1,237	834	1,197	829	572	527	682	389
MAX	979	787	2,800	3,360	1,810	1,220	3,310	1,410	917	917	1,450	564
MIN	297	265	366	668	963	586	622	538	393	361	389	314
CFSM	1.37	1.21	3.07	4.40	4.22	2.85	4.09	2.83	1.95	1.80	2.33	1.33
IN.	1.57	1.35	3.54	5.08	4.40	3.28	4.56	3.26	2.18	2.07	2.68	1.48

CAL YR 1973 TOTAL 322,660 MEAN 884 MAX 6,440 MIN 265 CFSM 3.02 IN 40.97
WTR YR 1974 TOTAL 279,321 MEAN 765 MAX 3,360 MIN 265 CFSM 2.61 IN 35.46

PEAK DISCHARGE (BASE, 2,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	2300	6.68	3,160	4-05	0830	7.06	3,450
1-01	1200	7.56	3,830				

02163500 SALUDA RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°23'12", long 82°13'20", Greenwood County, on right bank 2.0 mi (3.2 km) southeast of Ware Shoals, 2.5 mi (4.0 km) downstream from Ware Shoals Dam, 5.0 mi (8.0 km) upstream from Turkey Creek, and at mile 83.7 (134.7 km).

DRAINAGE AREA.--569 mi^2 (1,474 km^2).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Altitude of gage is 448 ft (136.6 m) (by barometer).

AVERAGE DISCHARGE.--36 years, 1,013 ft^3/s (28.69 m^3/s), 24.18 in/yr (614 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,460 ft^3/s (240 m^3/s) Jan. 1, gage height, 14.36 ft (4.377 m); minimum daily, 352 ft^3/s (9.97 m^3/s), Aug. 31.

Period of record: Maximum discharge, 20,700 ft^3/s (586 m^3/s) Sept. 14, 1973, gage height, 22.85 ft (6.965 m), from rating curve extended above 14,000 ft^3/s (396 m^3/s) on basis of computation of peak flow over dam; minimum, 3 ft^3/s (0.085 m^3/s) Sept. 18, 1939: minimum daily, 11 ft^3/s (0.31 m^3/s) Oct. 12, 19, 1941.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion by City of Greenville (see sta 02162500).

REVISIONS (WATER YEARS).--WSP 892: 1939. WSP 1433: 1940-41, 1943-45.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	816	568	586	7,220	1,650	1,330	1,720	1,050	955	791	757	456
2	1,450	555	546	6,210	1,440	1,240	1,610	1,150	1,050	685	748	487
3	1,260	523	617	4,040	1,760	1,290	1,530	1,130	1,160	519	836	599
4	1,310	456	653	3,060	2,520	1,420	2,140	1,370	1,070	626	960	622
5	757	586	739	2,600	2,030	1,300	5,610	1,310	925	671	1,790	474
6	541	568	1,530	2,190	1,820	1,150	4,630	1,450	960	1,350	1,680	550
7	519	469	2,140	2,090	2,010	1,170	3,180	1,400	1,130	1,240	1,570	599
8	676	442	1,500	1,910	2,560	1,150	2,400	1,360	1,360	1,300	1,910	644
9	586	559	782	1,740	2,740	1,110	2,420	1,090	1,310	1,210	1,920	591
10	591	523	1,070	1,600	2,220	1,000	2,180	940	1,090	915	1,460	447
11	591	474	865	1,640	1,980	1,230	1,880	1,010	1,000	860	1,390	537
12	564	537	821	1,440	1,780	1,070	1,720	1,120	757	777	1,450	429
13	541	528	767	1,470	1,710	989	1,650	1,390	1,020	689	1,210	613
14	447	483	748	1,570	1,480	1,190	1,840	1,690	1,010	591	1,090	613
15	537	501	845	1,410	1,560	1,110	1,900	1,590	735	708	915	438
16	613	496	782	1,220	1,740	875	1,830	1,190	791	712	855	541
17	514	456	885	1,370	1,900	915	1,710	965	796	753	974	514
18	501	433	831	1,220	2,030	1,120	1,550	1,050	890	492	930	478
19	420	532	806	1,140	1,760	1,140	1,270	831	865	501	974	388
20	474	546	767	1,050	1,760	1,020	1,530	1,200	880	667	865	469
21	456	451	940	2,100	1,690	1,080	1,370	1,020	900	483	762	366
22	586	604	1,580	2,890	1,830	1,160	1,420	1,010	744	777	717	406
23	546	604	1,480	2,360	2,570	1,520	1,500	1,250	739	703	599	465
24	528	645	955	1,920	2,330	1,140	1,390	1,640	708	631	577	492
25	465	523	940	1,800	2,010	1,200	1,280	1,580	653	689	568	501
26	442	537	1,070	1,820	1,700	1,110	1,270	1,270	726	984	712	370
27	447	582	1,500	1,790	1,720	1,060	1,030	1,210	1,020	1,420	510	429
28	456	645	3,340	2,230	1,480	1,260	1,330	1,340	969	1,030	487	520
29	649	694	2,850	2,270	------	1,300	1,210	1,430	694	895	483	559
30	478	1,090	2,030	2,000	------	1,830	1,110	1,130	767	703	510	735
31	501	------	2,530	1,810	------	1,830	------	999	------	635	352	------
TOTAL	19,262	16,610	37,495	69,180	53,780	37,309	57,210	38,165	27,674	25,007	30,561	15,340
MEAN	621	554	1,210	2,232	1,921	1,204	1,907	1,231	922	807	986	511
MAX	1,450	1,090	3,340	7,220	2,740	1,830	5,610	1,690	1,360	1,420	1,920	735
MIN	420	433	546	1,050	1,440	875	1,030	831	653	483	352	366
CFSM	1.09	.97	2.13	3.92	3.38	2.12	3.35	2.16	1.62	1.42	1.73	.90
IN.	1.26	1.09	2.45	4.52	3.52	2.44	3.74	2.50	1.81	1.63	2.00	1.00

CAL YR 1973 TOTAL 528,352 MEAN 1,448 MAX 7,770 MIN 420 CFSM 2.54 IN 34.54
WTR YR 1974 TOTAL 427,593 MEAN 1,171 MAX 7,220 MIN 352 CFSM 2.06 IN 27.96

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-01	0900	14.36	8460	4-05	0930	11.63	6100

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°26'40", long 82°10'35", Laurens County, on left bank 1.9 mi (3.1 km) downstream from dam at Boyd's Mill, 4.5 mi (7.2 km) upstream from Walnut Creek, 5.0 mi (8.0 km) northeast of Ware Shoals, and at mile 12.8 (20.6 km).

DRAINAGE AREA.--228 mi² (591 km²).

PERIOD OF RECORD.--March 1939 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 489 ft (149.0 m) (by barometer).

AVERAGE DISCHARGE.--35 years, 338 ft³/s (9.572 m³/s), 20.13 in/yr (511 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,790 ft³/s (107 m³/s) Jan. 2, gage height 5.63 ft (1.716 m); minimum daily, 17 ft³/s (0.48 m³/s) Apr. 12.

Period of record: Maximum discharge, 11,000 ft³/s (312 m³/s) Sept. 14, 1973, gage height 15.40 ft (4.694 m); minimum, 2.7 ft³/s (0.076 m³/s) July 6, 1967, gage height 0.42 ft (0.128 m); minimum daily, 4.8 ft³/s (0.14 m³/s) Sept. 9, 1973.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion into basin by City of Greenville below station near Greenville (see sta. 02162500).

REVISIONS (WATER YEARS).--WSP 892: 1939. WSP 922: Drainage area. WSP 1723: 1940, 1943, 1948-49, 1952 (M). WSP 1904: 1940, 1943, 1946, 1949, 1952.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	201	214	2,570	420	408	584	268	268	272	180	73
2	414	236	201	3,270	414	397	461	272	268	268	164	76
3	285	211	191	1,300	633	392	498	355	264	158	244	191
4	232	194	185	918	749	381	899	524	397	60	298	273
5	214	188	225	748	550	376	1,670	479	252	173	285	264
6	201	194	537	563	473	370	1,800	570	252	426	280	260
7	191	185	443	505	732	365	1,590	498	280	511	724	260
8	182	182	285	584	1,120	360	806	498	455	505	648	271
9	182	197	254	461	1,390	350	833	486	479	530	938	189
10	188	207	329	455	789	345	724	325	335	498	511	189
11	191	194	256	437	584	335	194	252	244	360	486	270
12	185	182	236	414	498	325	17	252	244	268	325	263
13	182	173	244	376	461	345	43	272	244	268	543	249
14	182	176	248	345	443	386	716	420	240	260	345	253
15	176	188	288	414	511	340	557	486	134	256	289	250
16	173	194	264	370	570	330	486	350	60	244	397	247
17	176	204	320	340	909	325	426	248	134	77	461	244
18	182	194	204	330	640	633	449	248	211	77	355	244
19	173	182	211	315	598	909	517	114	252	90	298	242
20	170	179	232	315	626	498	505	176	248	248	276	134
21	170	194	304	605	473	392	345	229	244	137	272	63
22	167	264	605	1,370	598	563	260	256	248	256	268	62
23	161	276	374	693	1,080	397	145	335	129	276	268	60
24	170	218	289	530	708	350	420	780	153	268	262	181
25	173	201	256	537	524	358	392	479	272	264	258	152
26	173	197	252	797	467	376	392	376	264	268	254	141
27	173	191	360	655	437	355	355	325	268	325	251	242
28	173	218	397	570	420	345	272	455	221	272	249	261
29	182	252	302	584	------	365	268	315	276	272	248	345
30	194	248	350	570	------	797	268	280	276	268	246	238
31	197	------	890	467	------	1,150	------	272	------	191	130	------
TOTAL	6,056	6,120	9,744	22,408	17,816	13,610	16,892	11,195	7,612	8,354	10,761	6,187
MEAN	195	204	314	723	636	439	563	361	254	269	347	206
MAX	414	276	890	3,270	1,390	1,150	1,800	780	479	530	938	345
MIN	161	173	185	315	414	325	17	114	60	60	130	60
CFSM	.86	.89	1.39	3.17	2.79	1.93	2.47	1.58	1.11	1.18	1.52	.90
IN.	.99	1.00	1.59	3.66	2.91	2.22	2.76	1.83	1.24	1.36	1.76	1.01

CAL YR 1973 TOTAL 177,325.8 MEAN 486 MAX 3,670 MIN 4.8 CFSM 2.13 IN 28.93
WTR YR 1974 TOTAL 136,755.8 MEAN 375 MAX 3,270 MIN 17 CFSM 1.64 IN 22.31

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-02	1000	5.63	3,790				

02165200 SOUTH RABON CREEK NEAR GRAY COURT, S.C.

LOCATION.--Lat 34°31'12", long 82°09'26", Laurens County, on left bank, 125 ft (38 m) upstream from U.S. Highway 76, 2.5 mi (4.0 km) upstream from North Rabon Creek and 7.0 mi (11.3 km) southwest of Gray Court.

DRAINAGE AREA.--29.5 mi² (76.4 km²).

PERIOD OF RECORD.--January 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 560 ft (171 m) (from topographic map).

AVERAGE DISCHARGE.--7 years, 42.8 ft³/s (1.212 m³/s), 19.70 in/yr (500 mm/yr).

EXTREMES.--Current year: Maximum discharge, 684 ft³/s (19.3 m³/s) Jan. 1, gage height, 2.91 ft (0.887 m); minimum daily 14 ft³/s (0.40 m³/s) Sept. 22 - 25, 27.

Period of record: Maximum discharge, 4,100 ft³/s (116 m³/s) Sept. 14, 1973, gage height, 9.86 ft (3.005 m); minimum daily, 7.0 ft³/s (0.20 m³/s) July 9-13, 1970.

REMARKS.--Records good. Recording rain gage located at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	23	20	551	40	39	40	28	21	15	16	18
2	29	20	20	130	42	38	44	28	22	15	24	18
3	27	19	20	78	55	36	47	37	21	15	27	17
4	24	19	20	72	58	35	179	32	21	15	19	18
5	22	19	31	59	44	34	367	36	20	20	19	16
6	21	19	34	48	48	34	101	32	20	147	21	24
7	22	19	24	51	99	34	69	29	23	49	23	27
8	21	20	22	45	198	33	64	27	21	190	76	20
9	21	22	23	41	99	33	95	28	20	49	48	18
10	20	20	22	40	68	32	59	27	20	40	42	18
11	20	19	21	40	59	32	51	26	19	35	35	17
12	19	20	21	37	50	33	47	36	18	38	27	17
13	19	20	23	34	45	33	68	30	18	28	32	16
14	20	20	23	34	48	31	54	26	17	25	24	16
15	20	20	24	37	55	30	55	25	20	23	25	16
16	20	20	27	34	114	31	46	25	18	22	107	16
17	19	19	25	33	86	30	43	24	21	21	35	18
18	18	19	23	31	59	30	41	23	18	20	30	17
19	19	19	23	30	60	30	40	23	17	20	25	16
20	18	19	24	31	54	33	38	23	18	21	23	15
21	18	23	30	174	46	38	37	23	25	20	21	15
22	18	28	26	79	86	34	35	23	20	19	20	14
23	18	22	24	55	61	31	37	48	18	19	20	14
24	18	21	23	48	51	31	34	34	17	19	20	14
25	17	21	23	81	46	34	32	27	16	19	20	14
26	18	21	25	66	42	33	32	25	16	19	19	15
27	18	20	31	54	41	31	31	28	16	20	19	14
28	22	24	24	53	41	31	30	25	18	22	18	30
29	27	24	25	57	------	43	30	23	16	19	18	21
30	20	21	36	48	------	70	29	22	16	18	17	16
31	20	------	103	43	------	48	------	22	------	17	18	------
TOTAL	651	620	842	2,214	1,795	1,085	1,875	865	571	1,019	888	525
MEAN	21.0	20.7	27.2	71.4	64.1	35.0	62.5	27.9	19.0	32.9	28.6	17.5
MAX	38	28	103	551	198	70	367	48	25	190	107	30
MIN	17	19	20	30	40	30	29	22	16	15	16	14
CFSM	.71	.70	.92	2.42	2.17	1.19	2.12	.95	.64	1.12	.97	.59
IN.	.82	.78	1.06	2.79	2.26	1.37	2.36	1.09	.72	1.28	1.12	.66

CAL YR 1973 TOTAL 20,411 MEAN 55.9 MAX 2,520 MIN 14 CFSM 1.89 IN 25.74
WTR YR 1974 TOTAL 12,950 MEAN 35.5 MAX 551 MIN 14 CFSM 1.20 IN 16.33

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-01	0830	2.91	684	4-05	0245	2.48	533

02166500 LAKE GREENWOOD NEAR CHAPPELLS, S.C.

LOCATION.--Lat 34°10'08", long 81°54'30", Newberry County, at left upstream end of dam on Saluda River, 0.7 mi (1.1 km) upstream from Wilson Creek and 2.4 mi (3.9 km) west of Chappells.

DRAINAGE AREA.--1,150 mi^2 (2,980 km^2), approximately.

PERIOD OF RECORD.--May 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Dan T. Duncan Engineering Co.) Prior to June 11, 1940, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation, 439.94 ft (134.094 m) Aug. 5; minimum, 431.02 ft (131.375 m) Dec. 18 (from log).

Period of record: Maximum elevation, 442.02 ft (134.728 m) Mar. 5, 1952; minimum elevation since normal reservoir level was first reached, 424.42 ft (129.363 m) Oct. 16, 1947.

REMARKS.--Lake is formed by earth dam; storage began in May 1940; dam completed in 1940. Usable capacity, about 7,640,000,000 ft^3 (216,000,000 m^3) between elevations 420.0 ft (128.02 m)(limit of drawdown) and 440.0 ft (134.11 m)(normal operating level) above mean sea level. Dead storage is about 3,500,000,000 ft^3 (99,000,000 m^3). Figures given herein represent usable contents. Elevation of spillway crest is 415.0 ft (126.49 m) and elevation of top of 1 1/2 ft (0.46 m) flashboards on top of spillway gates is 441.5 ft (134.57 m) above mean sea level. Water is used for generation of power.

Capacity table [(elevation, in feet (and meters) and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Prepared from capacity curve drawn by D. T. Duncan, Engineer)

431.0 ft (131.37 m)	3.70 ft^3 (104.8 m^3)
433.0 ft (131.98 m)	4.51 ft^3 (127.7 m^3)
436.0 ft (132.89 m)	5.82 ft^3 (164.8 m^3)
439.0 ft (133.81 m)	7.18 ft^3 (203.3 m^3)
442.0 ft (134.72 m)	8.56 ft^3 (242.4 m^3)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	436.85	435.22	432.28	434.80	433.25	434.42	437.88	439.48	439.07	439.07	439.40	438.34
2	436.62	435.16	432.41	436.38	433.16	434.75	438.08	439.18	439.16	438.82	439.55	438.40
3	436.46	434.92	432.49	436.85	433.14	435.04	438.03	439.98	439.36	438.58	439.69	438.54
4	436.41	434.92	432.32	436.85	433.14	435.11	437.98	439.12	439.29	438.57	439.89	438.69
5	436.28	434.71	432.05	436.75	433.13	435.05	439.11	439.12	439.32	438.44	439.76	438.65
6	436.28	434.48	431.98	436.48	433.27	435.34	439.71	439.59	439.18	438.40	439.75	438.54
7	436.28	434.08	432.61	436.16	433.48	435.59	439.79	439.38	439.49	438.47	439.61	438.18
8	436.28	433.83	432.61	435.80	433.62	435.63	439.69	439.18	439.66	438.41	439.66	438.28
9	436.25	432.92	432.86	435.32	433.73	435.86	439.52	439.43	439.52	438.40	439.58	438.12
10	436.27	432.92	432.76	434.85	433.54	436.09	439.28	439.41	439.35	438.31	439.29	437.97
11	436.27	432.92	432.46	434.42	433.26	436.01	439.14	439.45	439.12	438.50	439.27	437.81
12	436.26	432.92	432.01	433.90	433.39	436.09	438.89	439.26	439.22	438.42	439.14	437.58
13	436.28	432.92	431.95	433.57	433.54	435.84	439.12	439.06	439.37	438.39	439.13	437.57
14	436.28	432.92	431.43	433.31	433.51	435.94	439.69	439.13	439.23	438.50	439.07	437.69
15	436.28	432.92	431.15	433.10	433.73	436.07	439.65	439.14	439.31	438.61	439.00	437.77
16	436.28	432.92	431.24	432.90	433.91	436.18	439.48	439.13	439.38	438.74	439.05	437.83
17	436.28	432.92	431.10	433.14	434.43	436.11	439.44	438.91	439.29	438.56	439.23	437.73
18	436.28	432.92	431.02	432.91	434.46	436.16	439.30	438.70	439.39	438.30	439.12	437.51
19	436.28	432.92	431.19	432.94	434.60	436.51	439.06	438.84	439.26	438.33	439.06	437.47
20	436.28	432.78	431.10	433.11	434.54	436.83	439.12	439.00	439.20	438.43	439.13	437.41
21	436.28	432.53	431.04	433.30	434.48	436.73	439.42	439.06	439.38	438.44	439.19	437.44
22	436.28	432.52	431.45	433.37	434.58	436.92	439.30	439.13	439.08	438.56	439.02	437.46
23	436.28	432.41	431.80	433.17	434.48	437.13	439.09	439.05	439.12	438.68	438.93	437.26
24	436.25	432.29	431.69	432.88	434.70	437.37	438.93	439.00	439.04	438.92	438.83	437.31
25	436.22	432.42	431.87	432.83	434.61	437.12	439.00	438.93	439.16	439.00	438.52	437.40
26	435.87	432.14	432.15	432.81	434.53	437.09	439.23	439.20	439.13	439.20	438.17	437.09
27	435.79	432.26	431.91	433.10	434.48	437.33	439.43	439.22	439.23	439.53	438.08	437.17
28	435.94	432.43	431.05	433.34	434.32	437.51	439.67	439.26	439.08	439.26	438.03	436.96
29	435.79	432.16	432.21	433.29	------	437.42	439.54	439.12	439.17	439.24	438.13	436.99
30	435.53	432.10	432.62	433.03	------	437.42	439.37	439.02	439.13	439.29	438.24	436.65
31	435.28	------	432.95	433.07	------	437.92	------	438.86	------	439.36	438.30	------
MEAN	436.20	433.18	431.93	434.12	433.89	436.28	439.16	439.17	439.26	438.70	439.06	437.73
MAX	436.85	435.22	432.95	436.85	434.70	437.92	439.79	439.98	439.66	439.53	439.89	438.69
MIN	435.28	432.10	431.02	432.81	433.13	434.42	437.88	438.70	439.04	438.30	438.03	436.65
(+)	5.50	4.13	4.49	4.54	5.08	6.69	7.35	7.11	7.24	7.34	6.86	6.12
(‡)	-295	-529	134	19	223	601	255	-90	50	37	-179	-285

CAL YR 1973 ‡ -44 MAX 441.67 MIN 431.02
WTR YR 1974 ‡ -5 MAX 439.98 MIN 431.02

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(‡) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

NOTE.--ELEVATIONS FOR NOV. 20 TO JAN. 9, JUNE 25 TO JULY 17, AND AUG. 26 TO SEPT. 30 WERE OBTAINED FROM DUKE POWER COMPANY.

0216700 SALUDA RIVER AT CHAPPELLS, S.C.

LOCATION.--Lat 34°10'40", long 81°51'40", Newberry County, on left bank at downstream side of bridge on State Highway 39 at Chappells, 6.7 mi (10.8 km) downstream from dam at Lake Greenwood, 9.8 mi (15.8 km) upstream from Little River, and at mile 52.3 (84.2 km).

DRAINAGE AREA.--1,350 mi^2 (3,500 km^2), approximately.

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at practically same site since 1905 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 362.89 ft (110.609 m) above mean sea level. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft (91 m) downstream at datum 363.79 ft (110.883 m) above mean sea level. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft (110.914 m) above mean sea level.

AVERAGE DISCHARBE.--48 years, 1,953 ft^3/s (55.31 m^3/s), 19.65 in/yr (499 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,800 ft^3/s (193 m^3/s) Apr. 5, gage height, 14.74 ft (4.493 m); minimum, 57 ft^3/s (1.61 m^3/s) July 23; minimum daily, 278 ft^3/s (7.87 m^3/s) Nov. 11.

Period of record: Maximum discharge, 63,700 ft^3/s (1,804 m^3/s), Oct. 2, 1929, gage height 32.5 ft (9.91 m), present datum, from rating curve extended above 27,000 ft^3/s (765 m^3/s) on basis of velocity-area studies; minimum, 8 ft^3/s (0.23 m^3/s) Oct. 29, 1939, caused by construction work above station.

The flood of Aug. 26, 1908 reached a stage of 36.7 ft (11.19 m) (present site and datum), from reports of National Weather Service.

REMARKS.--Records fair. Flow regulated by Lake Greenwood (see sta. 02168500).

REVISIONS (WATER YEARS).--WSP 972: Drainage area. WSP 1303: 1942-45.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,730	1,410	468	5,210	2,210	2,300	3,030	1,420	944	1,570	333	468
2	3,410	1,370	405	5,250	2,760	457	1,980	3,030	800	2,850	354	333
3	3,010	2,270	732	5,280	3,730	824	1,970	3,450	600	2,490	576	336
4	2,560	784	1,260	5,140	3,960	1,910	4,990	980	1,700	1,470	482	517
5	2,060	2,000	2,910	5,170	3,750	2,550	6,640	555	1,400	2,400	2,680	1,320
6	496	2,450	2,340	5,120	3,100	676	6,400	3,370	1,700	3,190	3,500	1,750
7	475	2,760	900	5,060	4,150	768	5,530	3,290	400	3,100	3,710	3,570
8	2,030	2,000	2,330	5,050	5,990	1,330	5,170	3,310	1,500	5,870	3,250	1,440
9	1,260	2,590	724	5,020	5,720	1,190	5,190	1,160	2,100	4,080	3,860	1,640
10	912	1,390	1,810	4,980	5,290	510	5,120	1,680	3,100	3,080	3,620	1,860
11	653	278	2,670	4,960	5,060	2,020	4,100	836	2,300	1,100	4,350	1,900
12	1,690	2,020	3,160	4,940	2,770	1,780	3,680	3,340	900	1,900	2,950	2,380
13	496	1,730	2,530	3,590	2,460	2,710	1,780	3,450	400	1,670	2,960	1,480
14	573	450	3,290	4,150	2,650	1,960	1,160	2,310	1,700	828	2,470	636
15	848	956	3,190	3,550	2,210	1,190	2,970	1,250	400	938	2,310	306
16	580	1,000	2,060	3,380	3,520	1,060	4,100	2,810	312	912	1,600	622
17	438	496	1,970	1,080	2,920	1,530	3,400	3,080	1,990	2,100	1,390	1,330
18	1,000	457	1,680	2,920	3,410	2,020	3,080	2,630	1,120	2,040	1,980	2,370
19	1,950	1,820	1,040	2,260	3,450	566	3,360	1,030	2,300	3,070	1,780	1,080
20	461	2,400	1,470	1,280	3,260	712	2,440	435	2,340	975	804	1,050
21	411	3,070	1,580	3,470	3,330	2,270	506	604	1,130	899	764	601
22	1,180	1,770	1,250	5,420	4,370	1,600	2,810	1,540	2,890	895	1,910	318
23	1,370	1,320	393	5,350	5,280	1,290	3,430	2,630	3,230	868	2,030	1,400
24	1,260	1,970	2,450	5,050	3,730	566	2,920	3,470	1,470	657	1,480	524
25	1,270	457	1,170	3,410	3,460	3,160	1,900	3,450	1,030	992	2,730	408
26	2,200	2,160	363	3,420	3,510	3,110	784	900	1,370	531	3,990	2,360
27	1,720	780	2,820	2,560	3,060	590	444	1,600	1,320	345	1,980	420
28	309	590	3,270	3,930	3,190	1,080	438	1,920	2,910	2,830	1,320	2,000
29	1,400	2,260	3,260	6,100	------	2,730	2,100	2,310	1,060	1,710	852	1,280
30	2,460	2,080	2,240	6,310	------	3,360	2,550	2,310	1,670	660	432	2,870
31	2,200	------	2,660	4,220	------	1,330	------	2,770	------	489	426	------
TOTAL	43,412	47,088	58,395	132,630	102,300	49,149	93,972	66,920	46,086	56,509	62,873	38,569
MEAN	1,400	1,570	1,884	4,278	3,654	1,585	3,132	2,159	1,536	1,823	2,028	1,286
MAX	3,410	3,070	3,290	6,310	5,990	3,360	6,640	3,470	3,230	5,870	4,350	3,570
MIN	309	278	363	1,080	2,210	457	438	435	312	345	333	306

CAL YR 1973 TOTAL 988,622 MEAN 2,709 MAX 17,200 MIN 278
WTR YR 1974 TOTAL 797,903 MEAN 2,186 MAX 6,640 MIN 278

02168500 LAKE MURRAY NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°03'07", long 81°13'15", Lexington County, in intake tower 500 ft (152 m) upstream from dam on Saluda River and 10.0 mi (16.1 km) upstream from confluence of Saluda and Broad Rivers at Columbia.

DRAINAGE AREA.--2,420 mi² (6,270 km²), approximately.

PERIOD OF RECORD.--August 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.64 ft (0.195 m) below mean sea level. Prior to Oct. 31, 1930, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum gage height, 357.95 ft (109.103 m) (from range-in-stage indicator), probably occurred May 25-29; minimum gage height, 351.60 ft (107.168 m) Sept. 29, 30.

Period of record: Maximum gage height, 361.51 ft (110.188 m) Apr. 10, 1936; minimum gage height since generation of power was started, 320.96 ft (97.829 m) Dec. 23, 1941.

REMARKS.--Lake is formed by earth dam; storage began Aug. 31, 1929; dam completed in 1930. Usable capacity, 70,300,000,000 ft³ (1,990,000,000 m³) between gage heights 300.0 ft (91.44 m)(limit of drawdown) and 360.0 ft (109.73 m)(maximum normal lake level). Dead storage, 21,800,000,000 ft³ (617,000,000 m³). Figures given herein represent usable contents. Gage height of one spillway crest (completed in 1946), 330 ft (100.6 m) with top of gates 362 ft (110.3 m); gage height of other spillway crest, 340 ft (103.6 m) with top of gates 365 ft (111.3 m). Water is used for generation of power.

Capacity table [gage height, in feet (and meters), and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Prepared by Lexington Water Power Co. from topographic map, contour survey, and study of change in reservoir elevation due to inflow)

350 ft (106.7 m)	50.77 ft³ (1,438.0 m³)
352 ft (107.3 m)	54.30 ft³ (1,538.0 m³)
356 ft (108.5 m)	61.91 ft³ (1,753.3 m³)
358 ft (109.1 m)	66.00 ft³ (1,869.1 m³)
360 ft (109.7 m)	70.30 ft³ (1,990.9 m³)

GAGE HEIGHT, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	353.90	354.00	354.20	355.00	354.70	354.00	354.80	357.20	357.90	356.60	354.90	354.10
2	354.00	354.03	354.20	354.90	354.70	354.00	354.90	357.10	357.90	356.50	354.90	353.80
3	354.10	354.05	354.20	354.80	354.80	354.00	354.90	357.10	357.90	356.50	354.90	353.60
4	354.10	354.10	354.20	354.70	354.60	353.90	355.20	357.20	357.90	356.60	354.90	353.60
5	354.10	354.12	354.30	354.80	354.50	353.90	355.90	357.20	357.90	356.70	355.10	353.60
6	354.10	354.20	354.40	354.70	354.60	353.90	356.20	357.20	357.70	356.80	355.30	353.70
7	354.10	354.28	354.50	354.70	354.80	353.90	356.50	357.30	357.70	356.90	355.30	353.80
8	353.90	354.33	354.60	354.77	354.80	353.90	356.70	357.30	357.70	357.40	355.40	353.90
9	353.80	354.40	354.60	354.89	354.80	354.00	356.90	357.40	357.70	357.40	355.40	353.70
10	353.70	354.42	354.50	354.89	355.00	353.90	357.00	357.40	357.60	357.20	355.50	353.50
11	353.65	354.38	354.30	354.74	354.80	354.00	357.00	357.50	357.50	357.00	355.60	353.30
12	353.65	354.10	354.20	354.80	354.60	354.00	357.10	357.60	357.40	357.00	355.60	353.99
13	353.67	353.94	354.40	354.87	354.50	354.00	357.30	357.60	357.60	357.00	355.60	352.70
14	353.68	353.89	354.40	354.70	354.60	354.10	357.30	357.50	357.50	357.60	355.60	352.60
15	353.67	353.86	354.60	354.60	354.60	354.10	357.40	357.50	357.60	356.90	355.50	352.60
16	353.69	353.80	354.80	354.60	354.50	354.20	357.40	357.60	357.60	356.60	355.50	352.50
17	353.67	353.77	354.70	354.60	354.40	354.20	357.30	357.50	357.50	356.60	355.60	352.50
18	353.66	353.76	354.80	354.50	354.30	354.20	357.30	357.50	357.20	356.20	355.50	352.40
19	353.68	353.68	354.70	354.60	354.40	354.20	357.30	357.60	357.10	356.00	355.40	352.20
20	353.70	353.72	354.80	354.60	354.40	354.20	357.40	357.70	356.90	356.10	355.20	352.00
21	353.70	353.89	354.80	354.70	354.50	354.20	357.40	357.70	356.90	356.10	355.20	352.00
22	353.70	353.96	354.80	354.70	354.60	354.30	357.50	357.70	356.80	356.10	355.20	352.00
23	353.73	353.99	354.80	354.60	354.70	354.30	357.60	357.70	356.70	356.00	355.20	352.00
24	353.73	354.04	354.80	354.60	355.00	354.30	357.60	357.80	356.70	355.90	355.20	352.00
25	353.77	354.10	354.90	354.50	354.70	354.20	357.70	357.90	356.70	355.70	355.20	352.00
26	353.79	354.11	354.80	354.60	354.30	354.30	357.70	357.90	356.70	355.70	355.00	352.30
27	353.86	354.10	354.80	354.60	354.30	354.40	357.60	357.90	356.70	355.70	354.90	351.80
28	353.88	354.20	354.70	354.60	354.10	354.40	357.60	357.90	356.70	355.70	354.60	351.70
29	353.93	354.30	354.80	354.80	------	354.60	357.60	357.80	356.80	355.50	354.40	351.60
30	353.91	354.30	355.00	354.80	------	354.80	357.40	357.80	356.70	355.30	354.10	351.60
31	354.00	------	355.00	354.90	------	354.70	------	357.80	------	354.90	354.10	------
MEAN	353.82	354.06	354.60	354.71	354.59	354.16	356.92	357.55	357.31	356.39	355.15	352.77
MAX	354.10	354.42	355.00	355.00	355.00	354.80	357.70	357.90	357.90	357.60	355.60	354.10
MIN	353.65	353.68	354.20	354.50	354.10	353.90	354.80	357.10	356.70	354.90	354.10	351.60
(†)	58.02	58.59	59.94	59.75	58.21	59.36	64.76	65.59	63.32	59.75	58.21	53.59
(‡)	-71	220	504	-71	-637	429	2,083	310	-876	-1,333	-575	-1,782

CAL YR 1973 ‡ 67 MAX 358.83 MIN 352.29
WTR YR 1974 ‡ -147 MAX 357.90 MIN 351.60

(†) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(‡) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

NOTE.--GAGE HEIGHTS FOR NOV. 27 TO JAN. 8, JAN. 14 TO FEB. 14, FEB. 18 TO MAY 10, AND MAY 15 TO JUNE 26 WERE OBTAINED FROM NATIONAL WEATHER SERVICE.

02169000 SALUDA RIVER NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, on left bank 0.4 mi (0.6 km) upstream from site of Old Saluda mill, 1.6 mi (2.6 km) upstream from confluence with Broad River and 3.3 mi (5.3 km) west of State Capitol in Columbia, and at mile 1.67 (2.69 km).

DRAINAGE AREA.--2,510 mi^2 (6,500 km^2), approximately.

PERIOD OF RECORD.--August 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 149.46 ft (45.555 m) above mean sea level. Prior to Sept. 1, 1929, at same site at datum 150.46 ft (45.860 m) above mean sea level.

AVERAGE DISCHARGE.--49 years, 2,891 ft^3/s (81.87 m^3/s), 15.64 in/yr (397 mm/yr).

EXTREMES.--Current year: Maximum discharge, 21,400 ft^3/s (606 m^3/s) Feb. 25, gage height, 8.48 ft (2.585 m); minimum, 391 ft^3/s (11.1 m^3/s) Aug. 24; minimum daily, 426 ft^3/s (12.1 m^3/s) Oct. 14, 21, 22, 28, Nov. 7.

Period of record: Maximum discharge, 67,000 ft^3/s (1,900 m^3/s) Oct. 2, 1929, gage height, 15.22 ft (4.639 m), from rating curve extended above 36,000 ft^3/s (1020 m^3/s) on basis of discharge measurements made at Wise Ferry Bridge near Chapin; minimum, 11 ft^3/s (0.31 m^3/s) July 13, 1930; minimum daily, 12 ft^3/s (0.34 m^3/s) July 13, 1930, caused by construction work above station.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500) and Lake Greenwood (see sta 02166500).

REVISIONS (WATER YEARS).--WSP 972: Drainage area. WSP 1303: 1929-39 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,840	644	462	10,100	9,800	6,750	619	5,600	832	5,660	1,910	776
2	1,910	500	462	12,900	3,870	1,370	1,070	7,980	611	3,720	990	6,600
3	1,530	440	462	8,180	861	1,050	1,460	3,680	570	1,190	890	6,180
4	1,730	440	462	8,420	9,080	5,600	1,500	749	758	562	602	1,440
5	1,470	433	477	8,660	7,150	3,770	1,690	776	1,660	959	1,460	1,820
6	1,110	433	477	4,250	2,930	758	1,020	1,080	6,050	636	1,500	795
7	554	426	2,330	8,080	7,240	1,090	704	880	1,910	678	3,650	2,740
8	4,970	433	644	5,310	9,580	1,130	1,470	949	1,060	2,860	1,940	731
9	3,630	447	586	2,710	8,050	990	2,390	1,020	1,690	7,560	4,010	6,900
10	3,920	570	4,440	5,340	2,590	696	2,370	2,570	7,050	6,360	1,210	7,400
11	2,800	1,660	6,210	9,550	9,620	852	2,120	594	1,870	6,930	1,530	7,910
12	1,090	6,900	2,880	3,370	7,650	1,540	2,970	795	1,330	3,040	6,080	10,100
13	661	5,480	611	2,160	6,080	1,510	1,410	1,510	2,610	861	4,520	8,730
14	426	2,050	523	9,400	3,370	2,570	1,600	1,470	786	652	2,910	2,980
15	447	1,110	546	7,120	3,890	2,270	3,400	1,540	562	5,220	3,650	586
16	433	1,990	611	2,200	10,400	594	3,790	2,910	538	12,300	3,080	4,010
17	433	1,430	3,130	1,760	12,200	611	4,490	5,960	5,000	5,050	3,370	1,070
18	455	440	1,370	3,370	6,630	2,180	4,790	2,570	5,170	8,730	570	3,850
19	500	2,570	1,370	1,440	2,250	814	2,990	652	6,510	5,600	4,620	3,320
20	462	507	1,630	619	3,750	2,140	804	2,430	6,510	740	3,040	7,010
21	426	440	1,760	7,300	3,870	2,070	578	1,280	2,080	644	2,740	2,800
22	426	440	687	5,000	3,020	1,180	1,170	1,070	4,970	3,080	4,040	1,300
23	433	440	530	7,330	2,180	1,120	930	1,140	1,130	4,440	2,370	2,300
24	652	440	515	8,450	861	713	1,150	1,740	842	3,170	1,020	1,170
25	523	440	515	10,300	12,600	8,320	900	594	636	1,770	1,540	2,110
26	767	440	4,110	4,470	14,200	1,530	1,590	578	871	2,370	5,720	923
27	523	440	3,280	970	5,570	1,250	2,650	594	970	687	7,810	2,560
28	426	447	4,490	3,790	9,580	740	1,630	880	1,020	758	9,370	3,630
29	704	447	1,000	9,580	------	832	6,240	1,870	1,540	7,240	5,050	1,590
30	1,090	455	619	11,000	------	678	6,270	8,490	3,600	8,900	9,370	1,650
31	678	------	7,370	10,700	------	644	------	6,660	------	4,920	1,190	------
TOTAL	43,019	33,332	54,559	193,829	178,872	57,362	65,765	70,611	70,736	117,287	101,752	104,981
MEAN	1,388	1,111	1,760	6,253	6,388	1,850	2,192	2,278	2,358	3,783	3,282	3,499
MAX	7,840	6,900	7,370	12,900	14,200	8,320	6,270	8,490	7,050	12,300	9,370	10,100
MIN	426	426	462	619	861	594	578	578	538	562	570	586

CAL YR 1973 TOTAL 1,540,683 MEAN 4,221 MAX 19,300 MIN 426
WTR YR 1974 TOTAL 1,092,105 MEAN 2,992 MAX 14,200 MIN 426

02169500 CONGAREE RIVER AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'35", long 81°03'00", Lexington County, on right bank at Columbia, 1,000 ft (300 m) downstream from Gervais Street Bridge, 1.4 mi (2.3 km) downstream from confluence of Broad and Saluda Rivers, and at mile 174.8 (281.3 km).

DRAINAGE AREA.--7,850 mi² (20,330 km²), approximately.

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 1,000 ft (300 m) upstream October 1891 to December 1933 and at present site since January 1934 are contained in reports of National Weather Service.

GAGE.--Water-stage recorders. Datum of gage is 113.02 ft (34.448 m) above mean sea level.

AVERAGE DISCHARGE.--35 years, 9,179 ft³/s (259.9 m³/s), 15.88 in/yr (403 mm/yr).

EXTREMES.--Current year: Maximum discharge, 51,600 ft³/s (1,460 m³/s) Jan. 2, gage height 16.87 ft (5.142 m); minimum, 910 ft³/s (25.8 m³/s), Aug. 31 gage height 1.60 ft (0.488 m); minimum daily, 3,160 ft³/s (89.5 m³/s) Oct. 27, Nov. 5.

Period of record: Maximum discharge, 142,000 ft³/s (4,020 m³/s) Apr. 10, 1964, gage height 28.60 ft (8.717 m); minimum, 588 ft³/s (16.7 m³/s) Jan. 19, 1942, gage height 0.94 ft (0.287 m); minimum daily, 662 ft³/s (18.7 m³/s) Oct. 18, 1954.

Maximum flood since at least Oct. 1891, discharge 364,000 ft³/s (10,300 m³/s), gage height 39.8 ft (12.13 m), present datum, at site 1,000 ft (300 m) upstream, from records of National Weather Service.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500), and Lake Greenwood (see sta 02166500) on Saluda River and to some extent, at low and medium flow, by powerplants on Broad River. City of Columbia diverts about 42 ft³/s (1.19 m³/s) above station for municipal supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,100	4,270	4,840	27,300	22,700	12,800	15,100	9,200	5,640	10,600	5,090	3,760
2	7,370	3,890	4,870	45,000	14,800	8,240	11,400	11,300	5,020	8,240	4,460	8,780
3	10,900	3,670	3,790	42,200	11,800	7,670	9,550	7,740	5,200	5,080	5,380	9,030
4	10,300	3,860	3,710	32,000	25,800	11,000	8,780	6,100	6,240	4,040	5,540	5,080
5	8,450	3,160	4,140	29,600	25,100	9,340	23,900	6,950	6,630	4,900	7,330	5,170
6	6,420	3,760	4,350	19,400	16,400	6,040	41,400	7,030	9,030	3,940	10,500	5,740
7	3,960	3,260	8,490	20,100	19,300	6,660	42,900	6,770	5,350	8,160	12,200	9,730
8	8,890	3,380	9,450	16,800	28,400	7,200	25,000	7,990	5,700	15,500	9,900	10,100
9	7,470	3,500	7,990	12,400	35,100	5,970	16,100	7,230	7,640	24,200	11,400	12,400
10	8,200	3,640	10,600	13,900	28,300	6,280	16,200	7,740	12,400	15,700	11,900	11,900
11	6,590	4,690	12,000	17,500	25,700	6,140	13,200	8,490	7,300	13,500	10,900	10,900
12	4,930	8,890	8,160	12,000	20,500	6,560	12,100	8,380	5,610	8,020	13,700	11,500
13	3,940	9,070	4,350	9,620	16,100	6,350	9,940	7,540	7,810	5,540	11,300	11,700
14	4,040	5,200	5,480	16,100	11,700	8,130	11,600	9,830	6,310	5,350	10,300	5,140
15	3,590	4,330	5,380	14,600	12,300	7,500	15,600	9,410	5,110	8,270	11,200	4,810
16	3,840	4,930	5,770	8,930	19,800	5,940	14,300	9,100	3,710	9,980	9,620	8,490
17	3,860	4,520	8,740	7,810	27,800	5,420	12,500	10,500	7,200	8,220	8,740	4,690
18	3,570	3,710	7,170	9,760	24,200	6,920	11,800	7,610	8,310	9,960	5,800	7,030
19	3,520	5,080	6,560	7,060	13,500	6,100	9,830	5,290	9,450	8,690	8,960	6,630
20	3,380	3,500	6,730	5,510	13,300	6,700	7,540	7,230	9,800	5,060	7,950	10,100
21	3,520	3,410	7,060	14,100	13,400	6,990	7,170	5,840	6,170	4,080	6,990	5,900
22	3,230	3,280	7,540	23,200	11,800	7,540	6,880	5,800	6,880	6,080	7,430	4,630
23	3,450	4,040	9,070	28,700	13,200	7,640	6,950	6,420	5,020	7,260	6,840	5,970
24	3,260	3,860	8,380	23,600	14,900	8,020	6,950	7,170	4,660	6,470	4,750	3,430
25	3,760	4,040	6,490	21,900	20,500	13,100	6,990	8,160	4,380	5,040	4,930	5,420
26	3,590	3,990	9,870	18,200	21,000	7,430	7,330	7,740	3,620	5,680	8,860	3,910
27	3,160	3,620	8,820	16,000	13,600	6,920	7,880	7,270	4,930	4,350	9,900	5,450
28	3,620	3,550	13,900	17,000	15,200	6,350	6,630	5,740	5,080	4,420	11,200	6,630
29	3,620	3,960	16,200	25,900	------	6,170	10,300	7,740	8,670	9,860	8,380	5,800
30	4,630	3,990	10,800	31,500	------	7,990	9,980	11,600	10,600	11,200	10,500	8,130
31	4,060	------	16,100	27,400	------	15,400	------	10,700	------	7,980	4,380	------
TOTAL	164,220	128,050	246,800	615,090	536,200	240,510	405,800	245,610	199,470	255,370	266,330	217,950
MEAN	5,297	4,268	7,961	19,840	19,150	7,758	13,530	7,923	6,649	8,238	8,591	7,265
MAX	11,100	9,070	16,200	45,000	35,100	15,400	42,900	11,600	12,400	24,200	13,700	12,400
MIN	3,160	3,160	3,710	5,510	11,700	5,420	6,630	5,290	3,620	3,940	4,380	3,430

CAL YR 1973 TOTAL 4,913,150 MEAN 13,460 MAX 88,400 MIN 3,110
WTR YR 1974 TOTAL 3,521,400 MEAN 9,648 MAX 45,000 MIN 3,160

02169550 CONGAREE CREEK AT CAYCE, S.C.

LOCATION.--Lat 33°56'15", long 81°04'40", Lexington County, on left bank 20 ft (6 m) downstream from bridge on U.S. Highway 21 at Cayce, 2.1 mi (3.4 km) upstream from Sixmile Creek, and at mile 5.4 (8.7 km).

DRAINAGE AREA.--136 mi² (352 km²).

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1925, 1944, 1949-59.

GAGE.--Water-stage recorder. Datum of gage is 128.98 ft (39.313 m) above mean sea level (South Carolina Highway Department bench mark). Prior to Jan. 20, 1960, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--15 years, 228 ft³/s (6.457 m³/s), 22.77 in/yr (578 mm/yr).

EXTREMES.--Current year: Maximum discharge, 565 ft³/s (16.0 m³/s) Jan. 2, gage height, 4.19 ft (1.277 m); minimum daily, 120 ft³/s (3.40 m³/s) June 24-26.

Period of record: Maximum discharge, 1,840 ft³/s (52.1 m³/s) Oct. 1, 1959, gage height, 5.92 ft (1.804 m), from floodmarks; minimum daily, 111 ft³/s (3.14 m³/s) June 20, 1970.

A discharge of 73.2 ft³/s (2.07 m³/s) was measured on May 10, 1955.

REMARKS.--Records good. About 2.6 ft³/s (0.074 m³/s) diverted by city of Cayce for municipal supply.

REVISIONS (WATER YEARS).--WSP 1703, 1723: 1960(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	215	202	176	353	303	207	176	171	164	126	125	140
2	305	203	178	532	250	205	171	169	184	125	130	140
3	299	195	177	492	237	203	172	171	206	130	140	136
4	250	192	177	353	229	200	176	174	198	129	150	148
5	209	190	178	314	217	198	282	190	182	140	154	160
6	190	188	183	333	203	196	353	226	175	152	228	175
7	180	186	182	301	240	194	297	217	170	160	412	231
8	177	187	190	269	307	191	234	186	165	180	369	250
9	179	192	250	250	319	190	237	179	208	204	270	209
10	177	193	312	238	274	189	238	176	165	170	185	170
11	177	191	273	232	238	187	214	172	137	153	170	140
12	176	191	214	238	219	190	201	207	140	140	154	135
13	175	191	194	240	209	191	199	309	140	129	140	132
14	178	193	215	246	208	188	209	292	140	130	130	135
15	186	193	231	253	234	174	219	198	140	128	126	135
16	183	194	244	278	321	186	215	180	135	130	145	135
17	176	192	290	260	401	196	198	188	134	140	161	140
18	172	190	292	229	348	190	190	182	145	153	150	140
19	172	194	253	212	280	187	186	176	145	150	144	140
20	172	193	243	210	265	194	183	197	140	140	140	140
21	173	193	288	235	257	202	180	194	140	140	130	140
22	175	202	292	244	252	222	179	186	130	135	132	140
23	177	202	246	231	286	215	183	184	122	130	130	140
24	179	193	212	218	271	193	182	195	120	126	130	138
25	177	190	201	214	237	199	177	184	120	129	130	133
26	175	186	204	217	218	244	142	174	120	165	129	134
27	176	186	208	225	210	235	154	194	121	155	130	135
28	177	184	222	232	208	212	175	207	132	150	129	135
29	193	183	212	288	------	210	169	187	138	142	135	135
30	210	178	201	361	------	243	171	177	130	132	141	132
31	203	------	253	348	------	229	------	170	------	127	140	------
TOTAL	5,963	5,747	6,991	8,646	7,241	6,260	6,062	6,012	4,486	4,440	5,079	4,493
MEAN	192	192	226	279	259	202	202	194	150	143	164	150
MAX	305	203	312	532	401	244	353	309	208	204	412	250
MIN	172	178	176	210	203	174	142	169	120	125	125	132
CFSM	1.41	1.41	1.66	2.05	1.90	1.49	1.49	1.43	1.10	1.05	1.21	1.10
IN.	1.63	1.57	1.91	2.36	1.98	1.71	1.66	1.64	1.23	1.21	1.39	1.23

CAL YR 1973 TOTAL 96,644 MEAN 265 MAX 944 MIN 172 CFSM 1.95 IN 26.43
WTR YR 1974 TOTAL 71,420 MEAN 196 MAX 532 MIN 120 CFSM 1.44 IN 19.54

PEAK DISCHARGE (BASE, 600 CFS).--No peaks above base.

02169570 GILLS CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'22", long 80°58'28", Richland County, at upstream side of bridge on U.S. Highway 378 and 76 (Devine Street) at Columbia, 0.75 mi (1.21 km) downstream from Lake Katherine, and at mile 7.7 (12.4 km)

DRAINAGE AREA.--59.6 mi² (154.4 km²).

PERIOD OF RECORD.--Water years 1964-66 (annual maximum), September 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.38 ft (41.873 m) above mean sea level. Apr. 1, 1964 to Aug. 6, 1966, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--8 years, 76.3 ft³/s (2.161 m³/s), 17.39 in/yr (442 mm/yr).

EXTREMES.--Current year: Maximum discharge, 814 ft³/s (23.1 m³/s), Jan. 1, gage height, 5.96 ft (1.817 m); minimum daily, 15 ft³/s (0.42 m³/s) Aug. 27.

Period of record: Maximum discharge, 1,570 ft³/s (44.5 m³/s) Mar. 3, 1971, gage height, 7.20 ft (2.195 m); minimum daily, 11 ft³/s (0.31 m³/s) Apr. 4, 1967, Oct. 5, 6, 1969.
Flood of Oct. 1, 1964 reached a stage of 8.72 ft (2.658 m), discharge, 2,950 ft³/s (83.5 m³/s).

REMARKS.--Records fair. Some possible interruption of natural flow by private lakes upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	43	33	390	153	82	69	30	47	17	22	25
2	94	41	33	409	145	77	58	29	69	19	41	25
3	79	45	37	261	145	75	52	29	59	19	57	41
4	63	44	40	194	125	72	89	29	55	19	44	57
5	52	40	44	275	110	69	234	37	49	19	87	43
6	43	36	49	229	111	67	177	32	42	21	200	115
7	38	34	48	181	151	66	131	29	69	21	157	97
8	36	44	85	146	172	66	105	31	127	27	123	75
9	34	50	102	130	149	65	82	30	81	29	89	56
10	33	42	91	121	128	64	80	24	51	40	65	43
11	32	42	77	120	114	59	73	19	39	30	50	34
12	30	42	66	112	114	57	65	187	32	24	40	29
13	30	42	75	104	107	57	63	173	28	20	66	26
14	28	42	90	111	102	55	62	117	24	18	176	24
15	27	42	104	123	152	54	60	80	22	16	93	22
16	27	42	153	116	270	59	56	62	21	16	58	21
17	26	42	186	109	260	61	52	47	19	37	43	34
18	24	42	143	100	193	66	49	39	19	58	40	32
19	23	42	113	93	166	73	45	35	18	34	33	26
20	22	42	165	91	149	68	43	33	19	26	28	23
21	23	44	172	124	135	76	40	31	22	67	24	21
22	24	50	140	120	161	75	39	30	21	57	21	21
23	25	55	115	112	139	66	38	50	19	40	20	19
24	25	50	98	115	127	56	37	54	18	32	18	18
25	25	48	90	119	106	84	38	48	18	40	16	17
26	25	48	87	112	84	76	37	52	17	42	16	17
27	24	46	84	115	79	72	36	62	18	37	15	16
28	26	45	82	117	82	65	35	56	23	41	21	17
29	30	42	79	197	------	96	36	51	19	32	18	17
30	36	38	98	263	------	98	34	40	18	31	17	17
31	44	------	140	204	------	87	------	34	------	26	16	------
TOTAL	1,194	1,305	2,919	5,013	3,929	2,163	2,015	1,600	1,083	955	1,714	1.028
MEAN	38.5	43.5	94.2	162	140	69.8	67.2	51.6	36.1	30.8	55.3	34.3
MAX	146	55	186	409	270	98	234	187	127	67	200	115
MIN	22	34	33	91	79	54	34	19	17	16	15	16
CFSM	.65	.73	1.58	2.72	2.35	1.17	1.13	.87	.61	.52	.93	.58
IN.	.75	.81	1.82	3.13	2.45	1.35	1.26	1.00	.68	.60	1.07	.64

CAL YR 1973 TOTAL 36,922 MEAN 101 MAX 800 MIN 22 CFSM 1.69 IN 23.05
WTR YR 1974 TOTAL 24,918 MEAN 68.3 MAX 409 MIN 15 CFSM 1.15 IN 15.55

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-01	1700	5.96	814				

02169630 BIG BEAVER CREEK NEAR ST. MATTHEWS, S.C.

LOCATION.--Lat 33°44'12", long 80°57'30", Calhoun County, on right downstream wingwall of bridge on U. S. Highway 21, 0.1 mi (0.2 km) downstream from Rock Branch, 11.6 mi (18.7 km) northwest of St. Matthews, and at mile 8.2 (13.2 km).

DRAINAGE AREA.--10.0 mi^2 (25.9 km^2).

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 175 ft (53.3 m), from topographic map.

AVERAGE DISCHARGE.--8 years, 14.1 ft^3/s (0.40 m^3/s), 19.15 in/yr (486 mm/yr).

EXTREMES.--Current year: Maximum discharge, 73 ft^3/s (2.07 m^3/s) Aug. 6, gage height 3.71 ft (1.131 m); minimum daily, 8.6 ft^3/s (0.24 ^{3}/s) Sept. 14, 15.

Period of record: Maximum discharge, 1,360 ft^3/s (38.5 m^3/s) July 29, 1971, gage height 6.66 ft (2.[illegible]30 m); minimum daily, 4.7 ft^3/s (0.13 m^3/s) July 3, 12, Aug. 4, 1970.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	12	13	23	18	15	13	11	11	11	11	9.8
2	16	11	13	25	17	14	13	11	11	11	13	10
3	16	12	12	17	16	14	13	10	11	10	14	10
4	13	12	12	16	15	14	20	15	10	11	33	9.2
5	12	12	13	27	15	14	48	33	10	11	27	9.8
6	11	12	13	19	15	14	22	17	10	15	53	19
7	10	13	12	16	18	14	17	14	10	18	38	15
8	10	13	20	15	21	13	22	12	16	24	23	12
9	11	19	24	14	16	13	27	11	11	17	19	11
10	10	14	16	14	16	13	18	11	11	17	16	10
11	10	14	14	14	16	13	16	11	9.7	12	14	9.6
12	10	15	13	14	16	14	16	21	9.6	11	13	9.0
13	9.9	14	13	13	16	14	16	15	9.6	11	16	8.8
14	9.8	14	13	13	16	13	18	14	12	10	18	8.6
15	9.9	14	13	16	21	13	22	11	35	10	15	8.6
16	9.9	14	17	15	25	15	16	14	15	10	15	8.8
17	9.5	13	20	14	25	14	15	16	12	10	15	21
18	9.6	14	15	14	22	12	14	12	11	10	15	20
19	9.6	14	13	14	19	14	14	12	11	10	12	12
20	9.6	14	20	15	17	14	13	12	11	10	11	11
21	9.8	15	19	16	16	19	13	13	14	14	11	9.8
22	10	16	15	16	17	15	13	15	11	11	11	15
23	9.8	14	14	15	18	13	13	15	11	10	10	11
24	9.2	14	13	14	16	13	12	12	11	10	10	10
25	9.4	14	13	14	15	19	12	11	11	10	9.6	10
26	9.6	14	13	14	15	16	12	12	11	10	9.4	10
27	9.6	14	13	15	15	14	12	16	16	12	9.2	10
28	10	14	12	15	15	14	11	12	12	14	13	10
29	15	13	12	18	------	19	11	11	11	11	16	9.6
30	12	13	14	24	------	16	11	11	11	10	11	8.8
31	11	------	17	20	------	14	------	10	------	10	10	------
TOTAL	351.2	411	454	509	487	446	493	421	365.9	371	511.2	336.4
MEAN	11.3	13.7	14.6	16.4	17.4	14.4	16.4	13.6	12.2	12.0	16.5	11.2
MAX	29	19	24	27	25	19	48	33	35	24	53	21
MIN	9.2	11	12	13	15	12	11	10	9.6	10	9.2	8.6
CFSM	1.13	1.37	1.46	1.64	1.74	1.44	1.64	1.36	1.22	1.20	1.65	1.12
IN.	1.31	1.53	1.69	1.89	1.81	1.66	1.83	1.57	1.36	1.38	1.90	1.25

CAL YR 1973 TOTAL 7,112.2 MEAN 19.5 MAX 85 MIN 9.2 CFSM 1.95 IN 26.46
WTR YR 1974 TOTAL 5,156.7 MEAN 14.1 MAX 53 MIN 8.6 CFSM 1.41 IN 19.18

PEAK DISCHARGE (BASE, 100 CFS).--No peaks above base. NOTE: No gage-height record Jan. 14 to Feb. 25.

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°23'14", long 80°08'25", Berkeley County, on right bank 0.6 mi (1.0 km) upstream from bridge on State Highway 45 and 7.0 mi (11.3 km) southwest of Pineville.

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 60.0 ft (18.29 m) above mean sea level (levels by South Carolina Public Service Authority). Auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage.

AVERAGE DISCHARGE.--31 years 14,735 ft^3/s (417 m^3/s).

EXTREMES.--Period of record: Maximum daily discharge, 40,200 ft^3/s (1,140 m^3/s) Mar. 10, 1952; minimum daily (normal operation), 61 ft^3/s (1.73 m^3/s) Sept. 24, 25, 1956; maximum daily reverse flow, 12,100 ft^3/s (343 m^3/s) Feb. 9, 1947 (caused by unusual operation of gates).

REMARKS.--Records good except those for periods of no gage-height record which are poor. Canal diverts water from Lake Marion to Lake Moultrie for generation of power and for navigation. Water is discharged from powerplant and navigation lock into West Branch Cooper River. Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12,500	5,830	9,090	18,100	25,000	26,200	15,100	15,700	13,700	11,500	12,200	15,700
2	12,300	4,870	8,660	19,800	25,400	26,200	16,600	14,700	13,400	12,500	11,100	14,200
3	12,700	4,880	9,810	21,200	27,200	26,000	17,400	15,300	13,100	12,800	9,330	13,200
4	13,900	3,950	9,020	22,400	29,000	25,000	18,200	13,400	10,900	11,800	8,500	12,200
5	13,900	6,280	10,100	24,900	26,900	23,600	20,400	11,300	10,200	10,100	7,670	10,100
6	13,600	6,680	11,700	28,400	26,200	22,500	21,400	10,300	10,200	8,080	9,910	10,800
7	14,100	7,500	10,700	30,400	26,700	21,400	19,600	10,300	11,300	8,100	12,100	14,400
8	12,800	7,910	11,400	31,000	27,600	20,900	20,900	11,700	11,700	8,550	13,200	15,000
9	12,600	8,320	10,700	31,000	24,800	20,200	25,000	12,700	11,700	12,000	15,600	13,100
10	11,100	8,280	11,400	30,500	23,100	19,800	25,800	12,800	12,400	14,400	17,000	13,400
11	10,800	7,420	14,600	28,300	23,200	19,000	26,200	12,000	12,400	17,000	17,300	14,700
12	11,400	6,580	14,200	27,500	24,100	18,200	24,700	14,500	12,400	17,000	17,800	16,300
13	10,100	6,170	13,500	25,500	25,300	16,900	23,000	17,200	11,700	15,800	19,100	16,800
14	9,920	6,610	16,000	24,700	25,200	14,600	21,900	16,900	10,200	13,800	20,800	16,700
15	9,360	7,050	14,400	24,300	24,800	13,600	21,300	17,600	10,600	12,400	21,200	13,500
16	8,380	8,320	14,500	23,900	24,500	17,200	20,200	18,100	10,300	12,800	21,700	11,400
17	7,850	6,620	15,700	23,100	22,800	16,300	20,500	18,400	11,300	12,400	22,000	15,900
18	5,730	7,030	15,800	22,400	22,100	14,300	20,800	18,600	8,990	12,800	21,400	13,800
19	4,920	7,030	17,400	21,600	22,100	14,600	22,500	18,600	9,400	14,200	20,300	13,800
20	4,340	6,170	17,100	20,300	23,800	14,600	23,100	18,100	11,200	13,500	15,900	13,000
21	3,820	7,430	18,700	20,100	23,400	15,200	23,800	17,500	13,000	11,700	13,500	13,800
22	4,220	7,010	17,900	19,800	25,000	14,800	23,800	16,700	14,000	11,000	13,500	11,700
23	4,600	7,020	17,800	19,900	23,600	15,500	24,400	15,400	12,900	10,600	13,100	11,800
24	4,570	6,610	17,800	20,100	23,400	15,500	23,100	14,000	10,100	11,300	14,500	11,600
25	3,460	6,190	17,900	21,200	24,900	15,800	21,700	14,000	8,920	11,300	14,100	13,000
26	4,270	7,040	16,600	22,000	23,100	15,500	20,700	13,700	8,060	11,200	13,700	9,440
27	5,180	7,460	17,500	23,600	23,700	15,500	20,500	12,400	9,360	9,380	13,400	8,710
28	3,850	9,560	17,200	24,000	25,100	16,400	20,400	12,000	9,340	9,380	13,700	9,820
29	7,860	9,800	17,400	24,600	------	16,900	20,200	12,400	10,400	9,780	14,300	11,300
30	1,600	8,680	17,500	24,300	------	16,900	17,400	13,400	9,730	11,100	14,700	6,420
31	5,170	------	17,400	24,900	------	15,700	------	13,700	------	12,200	15,000	------
TOTAL	260,900	210,300	449,480	743,800	692,000	564,800	640,600	453,400	332,900	370,470	467,610	385,990
MEAN	8,416	7,010	14,500	23,990	24,710	18,220	21,350	14,630	11,100	11,950	15,080	12,870
MAX	14,100	9,800	18,700	31,000	29,000	26,200	26,200	18,600	14,000	17,000	22,000	16,800
MIN	1,600	3,950	8,660	18,100	22,100	13,600	15,100	10,300	8,060	8,080	7,670	6,420

CAL YR 1973 TOTAL 6,900,730 MEAN 18,910 MAX 35,100 MIN 1,600
WTR YR 1974 TOTAL 5,572,250 MEAN 15,270 MAX 31,000 MIN 1,600

NOTE: No gage-height record Oct. 1-30.

02171000 LAKE MARION NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'00", long 80°09'50", Berkeley County, at right upstream end of spillway, 2.8 mi (4.5 km) upstream from old Santee Canal, 5.4 mi (8.7 km) upstream from Dead River, and 8.0 mi (12.9 km) west of Pineville.

DRAINAGE AREA.--14,700 mi² (38,100 km²), approximately.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Santee Reservoir near Pineville.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Harza Engineering Co.). Prior to May 6, 1942, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation, 76.93 ft (23.448 m) Feb. 22 (distorted due to high westerly winds); minimum, 72.98 ft (22.244 m) Dec. 29.

Period of record: Maximum elevation, 77.35 ft (23.576 m) Feb. 28, 1964 (distorted due to high westerly winds); minimum, 61.36 ft (18.703 m) Oct. 17, 1951.

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; dam completed in 1941. Usable capacity, 47,930,000,000 ft³ (1,357,000,000 m³) between elevations 60.0 ft (18.29 m)(limit of drawdown) and 76.8 ft (23.41 m)(maximum normal lake elevation). Dead storage, about 15,250,000,000 ft³ (431,900,000 m³). Figures given herein represent usable contents. Elevation of spillway crest, 63.0 ft (19.20 m); top of spillway gates, 76.8 ft (23.41 m). Some water used for generation of power. Major portion of water is diverted from Lake Marion through canal to Lake Moultrie (see preceding page) for generation of power and for navigation.

Capacity table [(elevation, in feet (and meters), and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Prepared from volume curve drawn by Harza Engineering Co.)

71.0 ft (21.64 m)	24.31 ft³ (688.5 m³)
72.0 ft (21.95 m)	27.75 ft³ (785.9 m³)
74.0 ft (22.56 m)	35.41 ft³ (1,003.0 m³)
76.0 ft (23.16 m)	44.13 ft³ (1,250.0 m³)
77.0 ft (23.47 m)	48.88 ft³ (1,384.0 m³)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.60	75.02	74.60	73.14	75.72	76.67	75.16	75.55	75.63	75.30	75.32	75.55
2	75.63	75.09	74.61	73.15	75.92	76.67	75.22	75.56	75.71	75.30	75.36	75.39
3	75.63	75.11	74.56	73.19	76.19	76.64	75.29	75.57	75.67	75.29	75.37	75.33
4	75.64	75.11	74.45	73.33	76.22	76.51	75.43	75.67	75.65	75.39	75.48	75.23
5	75.67	75.08	74.46	73.75	76.20	76.39	75.73	75.78	75.66	75.42	75.63	75.22
6	75.63	74.99	74.27	74.29	76.34	76.28	75.45	75.81	75.74	75.51	75.92	75.28
7	75.61	74.91	74.16	74.72	76.56	76.18	75.54	75.77	75.79	75.58	75.95	75.13
8	75.49	74.85	74.40	74.99	76.68	76.08	75.82	75.78	75.82	75.65	76.11	75.04
9	75.39	74.82	74.30	75.14	76.49	76.00	76.13	75.84	75.81	75.71	76.20	75.06
10	75.35	74.68	74.45	75.23	76.37	75.81	76.54	75.85	75.78	75.72	76.23	75.11
11	75.33	74.64	74.17	75.32	76.35	75.75	76.64	75.82	75.76	75.73	76.23	75.15
12	75.35	74.65	74.13	75.27	76.55	75.65	76.65	76.10	75.76	75.80	76.26	75.16
13	75.31	74.70	74.16	75.23	76.62	75.48	76.68	76.05	75.70	75.89	76.37	75.17
14	75.25	74.80	74.03	75.31	76.70	75.48	76.68	75.97	75.76	75.93	76.40	75.24
15	75.17	74.83	73.98	75.30	76.68	75.49	76.68	75.95	75.78	75.90	76.38	75.26
16	75.08	74.81	74.14	75.24	76.70	75.67	76.59	75.94	75.76	75.87	76.34	75.27
17	74.97	74.78	73.99	75.14	76.57	75.56	76.67	75.91	75.65	75.86	76.27	75.51
18	74.95	74.74	73.80	75.07	76.52	75.47	76.70	75.86	75.58	75.87	76.19	75.47
19	74.92	74.70	73.74	74.94	76.64	75.46	76.76	75.86	75.56	75.87	76.02	75.45
20	74.95	74.64	73.77	74.82	76.58	75.39	76.71	75.87	75.51	75.84	75.96	75.44
21	74.98	74.68	73.66	74.76	76.61	75.43	76.72	75.76	75.53	75.83	75.93	75.44
22	75.05	74.67	73.54	74.65	76.76	75.27	76.62	75.69	75.45	75.81	75.91	75.40
23	75.02	74.70	73.47	74.60	76.59	75.31	76.50	75.65	75.39	75.76	75.88	75.25
24	75.00	74.72	73.39	74.60	76.62	75.24	76.29	75.67	75.37	75.72	75.85	75.18
25	75.00	74.76	73.31	74.69	76.55	75.30	76.15	75.62	75.37	75.63	75.80	75.08
26	75.00	74.78	73.23	74.83	76.50	75.30	76.03	75.72	75.39	75.55	75.71	75.02
27	75.00	74.76	73.14	75.02	76.57	75.27	75.92	75.73	75.42	75.52	75.64	74.99
28	75.04	74.92	73.05	75.15	76.64	75.27	75.83	75.72	75.36	75.46	75.61	75.00
29	75.02	74.68	73.01	75.36	------	75.24	75.70	75.69	75.29	75.36	75.59	75.00
30	74.92	74.67	73.03	75.50	------	75.27	75.61	75.59	75.29	75.32	75.59	75.01
31	75.09	------	73.09	75.59	------	75.11	------	75.63	------	75.31	75.57	------
MEAN	75.23	74.81	73.87	74.75	76.48	75.70	76.15	75.77	75.60	75.64	75.91	75.23
MAX	75.67	75.11	74.61	75.59	76.76	76.67	76.76	76.10	75.82	75.93	76.40	75.55
MIN	74.92	74.64	73.01	73.14	75.72	75.11	75.16	75.55	75.29	75.29	75.32	74.99
(+)	40.04	38.25	31.81	42.29	47.17	40.13	42.38	42.47	40.94	41.03	42.20	39.68
(‡)	-840	-691	-2,404	3,912	2,017	-2,628	868	34	-590	34	437	-972

CAL YR 1973 ‡ -481 MAX 76.78 MIN 73.01
WTR YR 1974 ‡ -83 MAX 76.76 MIN 73.01

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(‡) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, on right bank 2.4 mi (3.9 km) downstream from Lake Marion Dam, 3.0 mi (4.8 km) upstream from Dead River, 6.7 mi (10.8 km) west of Pineville, and at mile 85.0 (136.8 km).

DRAINAGE AREA.--14,700 mi^2 (38,100 km^2), approximately.

PERIOD OF RECORD.--April 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 23.00 ft (7.010 m) above mean sea level (levels by South Carolina Public Service Authority). Prior to Feb. 25, 1943, nonrecording gage at site 2.2 mi (3.5 km) upstream or temporary water-stage recorder operated by Corps of Engineers, at site 200 ft (60 m) upstream, at different datum.

AVERAGE DISCHARGE.--32 years, 2200 ft^3/s (62.30 m^3/s), 2.03 in/yr (52 mm/yr).

EXTREMES.--Current year: Maximum discharge, 21,300 ft^3/s (603 m^3/s) Feb. 16, gage height, 21.94 ft (6.687 m), from rating curve extended above 13,000 ft^3/s (368 m^3/s) as described below; minimum daily, 484 ft^3/s (13.7 m^3/s) Apr. 3.

Period of record: Maximum discharge, 155,000 ft^3/s (4,390 m^3/s) Sept. 23, 1945 (gage height 31.1 ft (9.48 m), from floodmarks), from rating curve extended above 13,000 ft^3/s (368 m^3/s) by computation of flow over spillway at Lake Marion; minimum daily, 9.0 ft^3/s (0.25 m^3/s) Feb. 23, 1947 (caused by repair work at spillway).

REMARKS.--Records good. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin. Seepage from north dike of Lake Marion Dam bypasses station via Little River. Results of discharge measurements, in cubic feet per second and cubic meters per second, of Little River, just below dam, made during water year 1974 are given herewith:

Nov. 5	- 20.3 ft^3/s	(0.57 m^3/s)
Mar. 14	- 29.9 ft^3/s	(0.85 m^3/s)
June 17	- 24.9 ft^3/s	(0.71 m^3/s)
Sept. 17	- 24.6 ft^3/s	(0.70 m^3/s)

Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	528	662	531	515	510	1,410	506	550	537	510	500	541
2	528	534	531	515	515	1,130	491	534	541	520	504	522
3	531	534	534	519	520	919	484	630	541	520	500	528
4	528	537	534	515	1,080	973	488	534	544	520	503	534
5	531	534	531	515	977	751	573	557	547	520	503	525
6	534	534	534	515	520	691	1,960	537	550	530	531	528
7	534	534	534	515	553	579	826	528	550	530	515	525
8	534	534	537	512	4,190	579	751	525	547	540	519	525
9	534	534	541	512	12,000	569	2,440	509	547	540	515	522
10	534	537	544	512	13,800	550	1,060	519	563	540	500	519
11	534	537	738	512	14,400	557	5,410	515	637	540	500	515
12	534	537	534	510	6,380	550	12,800	576	519	540	506	515
13	537	537	534	510	6,640	560	13,500	573	512	540	550	515
14	537	537	531	510	10,100	550	12,100	522	525	550	553	519
15	534	537	531	512	9,620	547	12,500	550	579	560	519	522
16	534	537	531	515	16,900	836	11,800	544	515	570	515	525
17	605	537	550	515	17,200	1,150	7,870	541	550	580	579	528
18	537	534	528	515	11,300	601	5,340	544	522	580	569	553
19	537	534	525	515	11,200	569	2,260	541	519	580	522	537
20	534	537	515	515	14,700	541	1,600	547	519	580	503	528
21	541	534	569	515	8,080	643	1,320	550	515	550	515	525
22	541	534	519	510	8,520	550	1,060	547	531	520	519	528
23	541	537	515	510	7,770	531	2,450	569	589	510	519	544
24	541	537	515	510	3,580	522	1,550	537	544	510	519	547
25	541	537	512	515	4,730	550	722	537	509	510	515	544
26	544	537	515	515	3,060	550	633	534	509	510	512	541
27	544	537	512	515	1,530	519	595	550	505	510	512	534
28	544	547	512	510	995	550	563	537	510	510	512	528
29	843	718	512	510	------	738	582	553	510	510	515	528
30	782	534	512	515	------	901	563	553	510	510	519	541
31	547	------	512	515	------	745	------	537	------	510	519	------
TOTAL	17,248	16,390	16,573	15,914	191,370	21,321	104,797	16,880	16,096	16,550	16,082	15,886
MEAN	556	546	535	513	6,835	688	3,493	545	537	534	519	530
MAX	843	718	738	519	17,200	1,410	13,500	630	637	580	579	553
MIN	528	534	512	510	510	519	484	509	505	510	500	515

CAL YR 1973 TOTAL 1,833,336 MEAN 5,023 MAX 49,600 MIN 509
WTR YR 1974 TOTAL 465,107 MEAN 1,274 MAX 17,200 MIN 484

02171650 SANTEE RIVER BELOW ST. STEPHENS, S.C.

LOCATION.--Lat 33°24'05", long 79°51'20", Berkeley County, on right bank, 600 ft (180 m) downstream from Mattassee Lake, on Tract 13P of Francis Marion National Forest, 3.9 mi (6.3 km) east of St. Stephens, and at mile 52.0 (83.7 km).

DRAINAGE AREA.--14,900 mi^2 (38,600 km^2), approximately.

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.23 ft (.070 m) above mean sea level (revised).

AVERAGE DISCHARGE.--8 years, 2,297 ft^3/s (65.05 m^3/s), 2.09 in/yr (53 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,600 ft^3/s (555 m^3/s) Feb. 21, gage height, 20.64 ft (6.291 m); minimum daily, 491 ft^3/s (13.91 m^3/s) Aug. 2.

Period of record: Maximum discharge, 66,200 ft^3/s (1,875 m^3/s) Mar. 10, 1971, gage height, 25.77 ft (7.855 m); minimum daily, that of Aug. 2, 1974.

REMARKS.--Records good. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	547	610	554	589	869	2,140	1,260	743	722	589	512	519
2	575	631	526	568	848	1,910	988	715	722	596	491	547
3	659	554	512	582	813	1,620	883	694	715	603	512	540
4	652	540	498	631	813	1,360	827	743	708	603	526	547
5	617	547	505	596	1,150	1,250	806	722	708	610	547	547
6	582	526	512	603	1,100	1,060	1,010	701	722	645	610	561
7	561	540	519	617	869	904	1,530	694	757	652	659	575
8	554	540	526	596	1,090	820	1,120	844	722	645	673	568
9	547	540	540	589	4,710	792	1,100	652	715	645	729	582
10	540	519	561	568	10,500	750	1,930	645	701	645	701	568
11	526	540	589	561	13,300	708	1,450	617	722	645	638	547
12	533	540	680	568	13,900	715	5,390	652	757	666	575	540
13	526	533	582	596	14,000	701	10,800	708	694	652	568	533
14	540	526	561	568	13,400	701	13,100	701	673	659	624	533
15	533	526	540	652	14,300	680	14,100	666	694	680	610	533
16	526	526	561	659	15,100	736	14,800	673	701	708	582	533
17	519	526	617	680	16,600	1,110	14,900	659	666	757	575	547
18	526	540	652	659	17,900	1,370	12,200	659	673	750	596	589
19	533	547	631	645	18,700	1,100	7,550	659	652	750	575	589
20	533	533	638	631	19,000	981	4,140	673	631	792	540	582
21	533	547	645	659	19,500	925	2,630	722	610	785	540	568
22	526	554	736	631	19,400	876	1,950	701	596	603	540	547
23	540	540	694	624	18,600	848	1,630	694	603	568	547	554
24	533	547	638	603	17,100	820	2,250	708	652	533	568	561
25	533	540	624	603	13,000	757	1,780	680	631	526	575	568
26	540	540	631	610	11,400	932	1,110	680	603	512	568	568
27	547	540	603	610	6,970	1,030	918	792	631	512	561	561
28	533	526	589	603	3,690	1,070	827	764	624	526	547	568
29	526	582	596	603	------	1,060	771	764	617	519	533	568
30	729	673	610	680	------	1,200	757	764	603	512	533	554
31	722	------	575	764	------	1,410	------	743	------	512	519	------
TOTAL	17,391	16,473	18,245	19,148	288,622	32,336	124,507	21,832	20,225	19,400	17,874	16,697
MEAN	561	549	589	618	10,310	1,043	4,150	704	674	626	577	557
MAX	729	673	736	764	19,500	2,140	14,900	844	757	792	729	589
MIN	519	519	498	561	813	680	757	617	596	512	491	519

CAL YR 1973 TOTAL 2,492,516 MEAN 6,829 MAX 60,300 MIN 498
WTR YR 1974 TOTAL 612,750 MEAN 1,679 MAX 19,500 MIN 491

02171680 WEDBOO CREEK NEAR JAMESTOWN, S.C.

LOCATION.--Lat 33°19'50", long 79°48'10", Berkeley County, on right downstream wingwall of culvert on S.C. Highway 45, 1.4 mi (2.3 km) southeast of Alvin, 3.3 mi (5.3 km) upstream from mouth and 7.5 mi (12.1 km) northwest of Jamestown.

DRAINAGE AREA.--17.4 mi² (45.1 km²).

PERIOD OF RECORD.--September 1966 to Feb. 1972, Feb. 1973 to Sept. 1974.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6.1 m)(from topographic map).

AVERAGE DISCHARGE.--6 years, 10.0 ft³/s (0.238 m³/s), 7.80 in/yr (198 mm/yr).

EXTREMES.--Current year: Maximum discharge, 297 ft³/s (8.41 m³/s) Feb. 8, gage height 4.69 ft (1.430); no flow Oct. 27 to Nov. 7.

Period of record: Maximum discharge, 928 ft³/s (26.3 m³/s) Aug. 26, 1971, gage height, 5.96 ft (1.817 m); no flow for many days during water year 1966-69, Aug. 14, 1973, Oct. 27 - Nov. 7, 1974.

REMARKS.--Records good except below 10 ft³/s (0.28 m³/s), and periods of no gage height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	0	1.0	7.0	35	13	12	1.6	2.0	.96	.88	3.2
2	2.0	0	1.0	6.0	27	12	9.3	1.5	2.1	.88	2.0	3.0
3	3.0	0	1.0	6.0	28	10	7.7	1.4	2.3	.80	2.7	2.7
4	2.0	0	1.0	5.0	51	9.6	6.3	1.6	2.1	.88	4.0	2.3
5	2.0	0	1.0	5.0	48	8.8	5.6	11	3.4	1.0	9.9	2.2
6	1.0	0	1.0	5.0	35	8.0	5.0	5.1	17	2.2	25	5.0
7	1.0	0	1.0	5.0	88	7.2	4.1	2.9	49	5.7	45	18
8	1.0	1.0	1.0	5.0	255	6.6	3.9	2.2	25	5.9	74	15
9	1.0	1.0	2.0	4.3	220	6.0	16	2.0	17	21	180	9.9
10	1.0	1.0	1.0	4.0	127	5.4	15	1.8	9.6	18	108	6.9
11	1.0	1.0	1.0	4.0	83	5.0	10	1.7	5.9	15	78	4.8
12	1.0	1.0	1.0	6.3	57	5.1	8.1	3.7	3.8	8.9	52	3.7
13	1.0	1.0	1.0	6.0	42	6.2	13	4.4	2.6	5.1	34	2.9
14	1.0	1.0	2.0	5.0	31	5.4	29	2.5	2.0	3.1	45	2.8
15	1.0	1.0	2.0	8.6	69	4.6	30	1.9	1.8	2.1	164	2.5
16	1.0	1.0	2.0	10	114	5.2	27	8.6	1.7	1.7	156	2.2
17	1.0	1.0	4.0	9.0	122	7.0	20	15	1.4	1.8	102	7.1
18	1.0	1.0	3.0	7.5	90	6.2	13	6.3	1.2	4.3	66	23
19	1.0	1.0	3.0	6.4	68	5.6	9.5	4.5	1.1	14	42	21
20	1.0	1.0	4.0	5.8	57	5.4	6.9	5.1	1.1	9.6	27	16
21	1.0	1.0	5.0	5.8	45	6.0	5.1	5.6	.96	6.8	17	10
22	1.0	1.0	4.0	7.4	36	6.4	4.1	3.7	.96	5.0	13	7.2
23	1.0	1.0	4.0	6.2	35	5.6	3.5	4.0	.88	3.3	15	5.3
24	1.0	2.0	3.0	5.4	29	5.4	3.0	5.0	1.0	2.3	24	3.5
25	1.0	1.0	3.0	4.8	24	9.0	2.7	3.1	.96	1.8	18	2.9
26	1.0	1.0	3.0	4.3	20	17	2.4	2.5	.96	1.4	14	2.9
27	0	1.0	3.0	4.0	17	14	2.2	6.9	3.3	1.6	10	2.6
28	0	1.0	3.0	3.8	14	13	2.0	5.4	2.4	1.8	7.8	2.4
29	0	1.0	3.0	4.6	------	14	1.8	3.7	1.7	1.6	5.9	2.1
30	0	1.0	3.0	32	------	19	1.7	2.8	1.2	1.1	4.4	1.8
31	0	------	6.0	48	------	16	------	2.2	------	.88	3.9	------
TOTAL	32.0	24.0	74.0	247.2	1,867	267.7	279.9	129.7	166.42	150.50	1,342.48	194.9
MEAN	1.03	.80	2.39	7.97	66.7	8.64	9.33	4.18	5.55	4.85	43.3	6.50
MAX	3.0	2.0	6.0	48	255	19	30	15	49	21	180	23
MIN	0	0	1.0	3.8	14	4.6	1.7	1.4	.88	.80	.88	1.8
CFSM	.06	.05	.14	.46	3.83	.50	.54	.24	.32	.28	2.49	.37
IN.	.07	.05	.16	.53	3.99	.57	.60	.28	.36	.32	2.87	.42

WTR YR 1974 TOTAL 4,775.80 MEAN 13.1 MAX 255 MIN 0 CFSM .75 IN 10.21

PEAK DISCHARGE (BASE, 100 CFS)

NOTE: No gage-height record Oct. 1 to Jan. 9.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-08	1615	4.69	297	8-9	0230	4.40	220
2-17	0230	3.97	126	8-15	0400	4.28	190

02172000 LAKE MOULTRIE NEAR PINOPOLIS, S.C.

LOCATION.--Lat 33°14'40", long 70°59'30", Berkeley County, at powerplant 0.7 mi (1.1 km) upstream from Seaboard Coast Line Railroad bridge and 2.8 mi (4.5 km) northeast of Pinopolis.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Pinopolis Reservoir near Pinopolis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by South Carolina Public Service Authority). Prior to May 16, 1942 and Feb. 25 to Dec. 14, 1970, nonrecording gage and May 17, 1942 to Sept. 30, 1963, water-stage recorder at same site at datum 0.25 ft (.076 m) lower.

EXTREMES.--Current year: Maximum elevation, 75.85 ft (23.119 m) Apr. 15; minimum, 71.60 ft (21.824 m)(from range-in-stage indicator), probably occurred Jan. 4.

Period of record: Maximum elevation, 76.21 ft (23.229 m) Oct. 14, 1959 (affected by high wind); minimum, 58.52 ft (17.837 m) Dec. 21, 1951.

REMARKS.--Lake is formed by earth dikes and dam, with concrete navigation locks; dikes and dam completed in 1941. Storage began in November 1941. Water is diverted through canal (see sta 02170500) from Lake Marion (see sta 02171000) and discharged through tailrace canal into West Branch Cooper River. Usable capacity, 33,170,000,000 ft³ (939,400,000 m³) between elevations 60.0 ft (18.29 m)(normal limit of drawdown) and 76.8 ft (23.41 m) (maximum normal elevation). Dead storage, about 19,600,000,000 ft³ (555,100,000 m³). Figures given herein represent usable contents. Water is used for generation of power and for navigation. Records of contents at end of month published for water years prior to 1964 were computed from elevations 0.25 ft (.076 m) too high. Records of change in contents published for the same period are slightly in error.

Capacity table [(elevation, in feet (and meters), and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Prepared from volume curve drawn by Harza Engineering Co.)

68.0 ft (20.73 m)	12.37 ft³ (350.3 m³)
70.0 ft (21.34 m)	16.47 ft³ (466.4 m³)
72.0 ft (21.95 m)	20.91 ft³ (592.2 m³)
74.0 ft (22.56 m)	25.74 ft³ (729.0 m³)
76.0 ft (23.16 m)	40.97 ft³ (877.1 m³)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.15	74.76	74.33	72.00	73.93	75.11	74.41	74.87	75.07	74.76	74.80	74.82
2	75.15	74.88	74.25	71.71	74.05	75.12	74.38	74.86	75.12	74.68	74.95	74.78
3	75.12	74.90	74.19	71.67	74.29	75.11	74.38	74.91	75.22	74.79	74.95	74.72
4	75.15	74.93	74.04	71.65	74.45	75.13	74.40	75.19	75.29	74.95	75.25	74.88
5	75.14	74.90	73.90	71.64	74.49	75.15	74.55	75.39	75.33	75.10	75.37	74.85
6	75.12	74.62	73.80	71.82	74.61	75.16	74.46	75.46	75.38	75.22	75.50	74.72
7	75.08	74.65	73.74	72.06	74.85	75.12	74.43	75.35	75.32	75.30	75.43	74.47
8	75.01	74.52	73.96	72.06	75.13	75.08	74.45	75.28	75.36	75.28	75.49	74.47
9	74.92	74.57	73.93	72.42	75.09	75.03	74.70	75.34	75.31	75.10	75.47	74.51
10	74.93	74.43	73.70	72.67	75.09	74.95	74.85	75.32	75.29	75.04	75.50	74.46
11	74.98	74.45	73.51	72.96	75.05	74.87	75.06	75.27	75.26	75.00	75.45	74.40
12	74.96	74.43	73.36	73.22	75.05	74.93	75.25	75.42	75.29	75.07	75.43	74.33
13	74.92	74.49	73.21	73.43	75.09	74.86	75.48	75.32	75.26	75.22	75.39	74.37
14	74.92	74.59	73.26	73.61	75.21	74.91	75.57	75.20	75.44	75.42	75.32	74.55
15	74.84	74.60	73.30	73.71	75.34	74.87	75.68	75.13	75.39	75.34	75.27	74.80
16	74.80	74.58	73.41	73.69	75.46	75.05	75.69	75.11	75.32	75.36	75.17	74.85
17	74.80	74.52	73.25	73.69	75.38	75.03	75.68	75.06	75.28	75.36	75.15	75.02
18	74.75	74.47	72.93	73.70	75.34	74.90	75.63	75.02	75.27	75.30	75.15	74.93
19	74.77	74.48	72.77	73.68	75.30	74.87	75.56	75.10	75.13	75.33	75.16	74.91
20	74.82	74.40	72.76	73.64	75.30	74.79	75.43	75.05	75.04	75.30	75.38	74.84
21	74.86	74.42	72.77	73.63	75.26	74.81	75.34	74.98	74.92	75.42	75.37	74.82
22	74.91	74.49	72.51	73.55	75.42	74.68	75.28	74.98	74.80	75.38	75.32	74.89
23	74.91	74.48	72.44	73.47	75.32	74.65	75.15	75.07	74.97	75.35	75.30	74.78
24	74.92	74.50	72.34	73.38	75.30	74.65	75.10	75.03	75.09	75.26	75.25	74.68
25	74.89	74.59	72.22	73.28	75.37	74.67	75.02	75.05	75.08	75.20	75.19	74.73
26	74.82	74.53	72.27	73.24	75.24	74.62	74.94	75.30	75.10	75.07	75.10	74.71
27	74.82	74.44	72.17	73.28	75.16	74.69	74.86	75.24	75.14	75.23	75.05	74.69
28	74.79	74.51	72.07	73.42	75.13	74.54	74.74	75.20	74.97	75.09	74.95	74.59
29	74.90	74.43	71.99	73.56	------	74.57	74.72	75.13	74.95	74.90	74.94	74.73
30	74.81	74.31	71.97	73.84	------	74.53	74.88	75.10	74.90	74.75	74.93	74.72
31	74.90	------	71.98	73.89	------	74.47	------	75.04	------	74.75	74.87	------
MEAN	74.93	74.56	73.11	73.02	75.03	74.87	75.00	75.15	75.18	75.14	75.22	74.70
MAX	75.15	74.93	74.33	73.89	75.46	75.16	75.69	75.46	75.44	75.42	75.50	75.02
MIN	74.75	74.31	71.97	71.64	73.93	74.47	74.38	74.86	74.80	74.68	74.80	74.33
(†)	28.06	26.54	20.87	25.47	28.66	26.95	28.01	28.42	28.06	27.67	27.98	27.59
(‡)	49	-586	-1,844	1,717	1,319	-638	409	153	-139	-146	116	-150

CAL YR 1973 ‡ -212 MAX 75.34 MIN 73.47
WTR YR 1974 ‡ -11 MAX 75.69 MIN 71.64

(†) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(‡) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

NOTE.--ELEVATIONS FOR OCT. 2 TO DEC. 2, JAN. 25 TO FEB. 19, AND APR. 23 TO MAY 7 WERE OBTAINED FROM NATIONAL WEATHER SERVICE.

02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, S.C.

LOCATION.--Lat 33°29'00", long 80°52'25", Orangeburg County, on left bank under bridge on U.S. Highway 301 at Orangeburg, 0.5 mi (0.8 km) upstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Caw Caw Swamp, and at mile 22.1 (35.6 km).

DRAINAGE AREA.--683 mi^2 (1,770 km^2).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 149.02 ft (45.421 m) above mean sea level (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 791 ft^3/s (22.40 m^3/s), 15.73 in/yr (400 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,880 ft^3/s (53.2 m^3/s), Aug. 11, gage height 8.14 ft (2.481 m); minimum, 457 ft^3/s (12.9 m^3/s) July 19.

Period of record: Maximum discharge, 9,500 ft^3/s (269 m^3/s) Sept. 18, 1945, gage height, 14.28 ft (4.353 m), from rating curve extended above 5,300 ft^3/s (150 m^3/s) by velocity-area studies; minimum, 190 ft^3/s (5.38 m^3/s) Sept. 13, 14, 1954.

Maximum flood known since at least 1893, 14.7 ft (4.48 m) in September 1928, discharge, 10,000 ft^3/s (283 m^3/s), from rating curve extended as described above, on basis of information from Department of Public Utilities, City of Orangeburg.

REMARKS.--Records good. About 6.6 ft^3/s (0.19 m^3/s) diverted by city of Orangeburg for municipal supply.

REVISIONS.--WSP 1032: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	480	580	630	815	1,130	963	1,030	567	598	531	599	485
2	495	600	621	933	1,040	929	959	554	586	500	564	505
3	480	620	614	998	1,010	898	890	545	576	478	543	521
4	500	620	607	1,110	990	867	847	534	570	488	599	559
5	585	620	610	1,200	1,070	847	1,000	552	561	492	636	565
6	740	600	622	1,240	1,050	832	1,120	640	555	498	843	572
7	830	585	623	1,320	1,140	818	1,370	761	554	525	1,060	611
8	800	585	661	1,360	1,380	803	1,410	797	573	601	1,340	672
9	740	578	743	1,250	1,610	788	1,370	773	646	658	1,650	713
10	680	575	806	1,100	1,620	773	1,450	743	806	678	1,630	737
11	620	573	892	998	1,440	758	1,510	715	779	650	1,820	742
12	600	574	902	963	1,270	749	1,340	736	690	633	1,710	729
13	585	583	846	914	1,210	740	1,130	758	652	606	1,370	714
14	570	594	802	890	1,140	734	1,000	755	593	594	1,100	705
15	570	599	786	975	1,200	723	1,010	797	599	577	983	669
16	540	596	858	1,010	1,430	764	1,060	806	644	535	966	608
17	495	591	901	1,080	1,720	832	1,040	745	878	490	920	970
18	530	587	894	1,080	1,730	910	994	682	902	468	835	987
19	540	589	902	998	1,630	886	933	642	690	473	798	985
20	540	588	936	933	1,590	844	863	658	573	503	747	958
21	540	591	963	983	1,580	886	800	634	533	491	692	818
22	540	596	979	1,030	1,540	944	743	604	540	493	626	718
23	540	604	1,020	1,020	1,440	986	706	603	531	506	576	680
24	540	611	1,010	952	1,350	948	678	604	555	510	548	661
25	540	622	925	886	1,240	936	648	666	555	528	528	631
26	540	629	844	836	1,130	952	630	704	525	517	509	600
27	540	627	791	818	1,060	979	616	745	543	490	492	583
28	540	633	755	825	998	998	606	747	558	510	482	578
29	540	640	732	851	------	998	594	736	570	573	491	570
30	550	638	721	994	------	1,050	583	676	557	617	497	553
31	555	------	743	1,130	------	1,090	------	628	------	612	488	------
TOTAL	17,885	18,028	24,739	31,492	36,738	27,225	28,930	21,107	18,492	16,825	26,642	20,399
MEAN	577	601	798	1,016	1,312	878	964	681	616	543	859	680
MAX	830	640	1,020	1,360	1,730	1,090	1,510	806	902	678	1,820	987
MIN	480	573	607	815	990	723	583	534	525	468	482	485
CFSM	.84	.88	1.17	1.49	1.92	1.29	1.41	1.00	.90	.80	1.26	1.00
IN.	.97	.98	1.35	1.72	2.00	1.48	1.58	1.15	1.01	.92	1.45	1.11

CAL YR 1973 TOTAL 402,150 MEAN 1,102 MAX 3,400 MIN 480 CFSM 1.61 IN 21.90
WTR YR 1974 TOTAL 288,502 MEAN 790 MAX 1,820 MIN 468 CFSM 1.16 IN 15.71

NOTE: No gage-height record Oct. 1 to Nov. 8.

02174000 EDISTO RIVER NEAR BRANCHVILLE, S.C.

LOCATION.--Lat 33°10'35", long 80°45'05", Bamberg County, on right bank 400 ft (120 m) downstream from bridge on U.S. Highway 21, 4.7 mi (7.6 km) downstream from Brier Branch, 5.2 mi (8.4 km) south of Branchville, and at mile 100.0 (160.9 km).

DRAINAGE AREA.--1,720 mi² (4,450 km²), approximately.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 80.02 ft (24.390 m) above mean sea level (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--29 years, 2,014 ft³/s (57.04 m³/s, 15.90 in/yr (404 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5440 ft³/s (154 m³/s), Feb. 20, gage height, 8.57 ft (2.612 m); minimum, 947 ft³/s (26.8 m³/s) July 4.

Period of record: Maximum discharge, 14,600 ft³/s (413 m³/s) Sept. 3, 1964, gage height, 11.44 ft (3.487 m); minimum 323 ft³/s (9.15 m³/s) Aug. 14, 1956.

Maximum flood known since at least 1893, 13.5 ft (4.11 m), present datum, in September 1928, on basis of information from State Highway Department (discharge, 25,700 ft³/s (728 m³/s), by conveyance-slope study).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,400	1,210	1,400	2,060	2,990	3,230	2,760	1,310	1,500	1,020	1,230	1,090
2	1,410	1,220	1,400	2,040	3,080	3,070	2,710	1,270	1,380	1,010	1,260	1,090
3	1,460	1,250	1,400	2,060	3,100	2,940	2,630	1,230	1,300	977	1,270	1,090
4	1,490	1,280	1,400	2,180	3,090	2,850	2,520	1,190	1,240	953	1,300	1,090
5	1,540	1,300	1,380	2,340	3,000	2,750	2,410	1,210	1,200	992	1,500	1,120
6	1,640	1,310	1,380	2,460	2,920	2,650	2,340	1,220	1,170	1,010	1,800	1,190
7	1,750	1,320	1,380	2,550	3,010	2,550	2,410	1,230	1,140	1,000	2,200	1,250
8	1,860	1,320	1,410	2,690	3,490	2,460	2,570	1,300	1,130	1,000	2,500	1,290
9	1,940	1,320	1,450	2,840	4,120	2,390	2,760	1,390	1,110	1,030	2,700	1,330
10	1,950	1,310	1,490	3,000	4,520	2,320	2,980	1,460	1,100	1,110	2,800	1,380
11	1,890	1,300	1,560	3,070	4,740	2,250	3,100	1,490	1,160	1,160	2,900	1,450
12	1,790	1,290	1,640	3,010	4,740	2,200	3,140	1,510	1,300	1,220	3,000	1,540
13	1,650	1,280	1,700	2,870	4,480	2,160	3,210	1,520	1,470	1,250	3,300	1,620
14	1,500	1,280	1,810	2,750	4,110	2,120	3,200	1,550	1,530	1,230	3,600	1,660
15	1,410	1,280	1,890	2,650	4,100	2,070	3,080	1,590	1,550	1,200	3,600	1,660
16	1,350	1,290	1,990	2,570	4,410	2,110	2,880	1,610	1,670	1,160	3,600	1,670
17	1,320	1,300	2,070	2,550	4,900	2,230	2,680	1,640	1,720	1,160	3,400	1,660
18	1,290	1,300	2,100	2,550	5,160	2,320	2,550	1,650	1,680	1,140	3,200	1,790
19	1,270	1,300	2,110	2,550	5,350	2,370	2,460	1,570	1,590	1,060	2,900	2,410
20	1,250	1,300	2,170	2,550	5,380	2,400	2,330	1,500	1,490	1,010	2,600	3,630
21	1,240	1,310	2,200	2,560	5,180	2,450	2,200	1,460	1,370	1,010	2,400	3,880
22	1,220	1,310	2,200	2,550	5,030	2,480	2,080	1,420	1,170	1,010	2,200	3,490
23	1,220	1,330	2,250	2,570	4,880	2,520	1,980	1,350	1,060	989	2,020	3,050
24	1,220	1,330	2,270	2,680	4,630	2,590	1,880	1,280	1,100	977	1,770	2,640
25	1,210	1,330	2,280	2,700	4,360	2,680	1,760	1,250	1,090	995	1,520	2,260
26	1,200	1,340	2,310	2,640	4,030	2,790	1,640	1,290	1,060	998	1,360	1,950
27	1,200	1,350	2,310	2,550	3,710	2,790	1,520	1,470	1,050	995	1,250	1,740
28	1,190	1,370	2,220	2,430	3,440	2,760	1,450	1,620	1,060	1,030	1,190	1,600
29	1,190	1,390	2,090	2,330	------	2,740	1,390	1,730	1,040	1,040	1,140	1,500
30	1,190	1,400	1,970	2,440	------	2,780	1,350	1,740	1,030	1,080	1,100	1,420
31	1,200	------	1,980	2,760	------	2,770	------	1,640	------	1,160	1,080	------
TOTAL	44,440	39,220	57,210	79,550	115,950	78,790	71,970	44,690	38,460	32,976	67,690	54,540
MEAN	1,434	1,307	1,845	2,566	4,141	2,542	2,399	1,442	1,282	1,064	2,184	1,818
MAX	1,950	1,400	2,310	3,070	5,380	3,230	3,210	1,740	1,720	1,250	3,600	3,880
MIN	1,190	1,210	1,380	2,040	2,920	2,070	1,350	1,190	1,030	953	1,080	1,090
CFSM	.83	.76	1.07	1.49	2.41	1.48	1.39	.84	.75	.62	1.27	1.06
IN.	.96	.85	1.24	1.72	2.51	1.70	1.56	.97	.83	.71	1.46	1.18

CAL YR 1973 TOTAL 1,084,490 MEAN 2,971 MAX 9,050 MIN 1,190 CFSM 1.73 IN 23.46
WTR YR 1974 TOTAL 725,486 MEAN 1,988 MAX 5,380 MIN 953 CFSM 1.16 IN 15.69

02174250 COW CASTLE CREEK NEAR BOWMAN, S.C.

LOCATION.--Lat 33°22'43", long 80°42'00", Orangeburg County, at bridge on county road, 1.1 mi (1.8 km) above Buck Branch and 3.2 mi (5.1 km) northwest of Bowman.

DRAINAGE AREA.--23.4 mi² (60.6 km²).

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (38 m) (from topographic map).

EXTREMES.--Current year: Maximum discharge, 278 ft³/s (7.87 m³/s), Feb 17, gage height, 5.95 ft (1.814 m); minimum daily, 1.8 ft³/s (0.051 m³/s) Aug. 1, Sept. 14-16.

Period of record: Maximum discharge, 1,290 ft³/s (36.5 m³/s) June 12, 1973, gage height, 6.83 ft (2.082 m); minimum daily, 1.2 ft³/s (0.03 m³/s) Oct. 18, 1972.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.2	2.0	13	46	30	27	4.3	7.6	3.6	1.8	1.9
2	4.2	2.1	2.0	11	38	28	23	4.0	7.6	3.6	1.9	1.9
3	4.9	2.1	2.0	10	34	26	21	3.8	7.0	3.7	2.1	6.5
4	3.2	2.0	1.9	10	37	24	19	3.7	6.3	3.8	2.7	9.0
5	2.8	2.0	1.9	9.8	30	22	27	5.2	5.5	3.8	9.2	3.9
6	2.7	1.9	1.9	9.6	26	20	27	5.2	5.3	4.9	13	3.9
7	2.6	1.9	1.9	9.0	88	20	21	4.2	5.0	5.6	12	3.9
8	2.6	2.1	2.7	8.4	190	19	21	3.5	5.2	4.5	10	3.4
9	2.5	2.2	3.2	8.2	144	18	40	3.2	4.5	4.3	15	2.8
10	2.5	2.1	2.6	8.0	82	17	32	3.0	4.0	3.4	15	2.5
11	2.5	2.1	2.2	10	64	16	25	2.8	3.9	2.9	11	2.2
12	2.4	2.2	2.2	12	53	17	21	4.6	3.6	2.7	8.0	2.0
13	2.4	2.2	2.2	10	46	17	19	3.9	3.4	2.7	6.5	1.9
14	2.4	2.3	2.9	11	41	16	20	3.0	5.0	2.6	6.5	1.8
15	2.3	2.2	2.9	23	101	15	21	2.9	15	2.3	6.3	1.8
16	2.3	2.2	5.3	20	164	36	18	2.9	7.8	2.3	5.5	1.8
17	2.3	2.1	8.4	18	212	38	16	2.9	5.5	2.6	5.2	18
18	2.3	2.4	6.5	16	107	29	14	2.9	4.3	2.6	4.7	70
19	2.3	2.2	5.3	14	95	26	13	8.0	4.0	2.5	4.0	70
20	2.2	1.9	6.5	13	99	26	11	16	3.8	2.6	3.7	30
21	2.2	1.9	9.2	17	72	34	10	18	3.8	2.6	3.5	15
22	2.2	2.1	7.8	18	68	37	9.2	13	5.2	2.6	3.2	11
23	2.2	2.3	6.8	16	60	30	8.6	11	3.8	2.2	3.1	9.0
24	2.2	2.9	6.3	15	50	26	7.4	9.0	3.8	2.0	2.9	6.3
25	2.1	2.6	6.0	14	44	35	6.5	8.0	3.6	2.1	2.6	6.0
26	2.1	2.3	5.6	13	38	44	6.2	9.8	3.5	1.9	2.5	5.5
27	2.1	2.2	5.8	13	35	38	5.6	34	4.6	2.3	2.3	5.0
28	2.1	2.2	5.5	12	32	35	5.2	18	4.3	2.2	2.1	4.6
29	2.1	2.2	5.3	19	------	39	4.7	14	3.8	2.0	2.0	4.2
30	2.1	2.0	6.2	103	------	43	4.5	11	3.7	2.1	1.9	3.8
31	2.1	------	12	64	------	33	------	9.0	------	1.9	1.9	------
TOTAL	77.5	65.1	143.0	548.0	2,096	854	503.9	244.8	154.4	90.9	172.1	309.6
MEAN	2.50	2.17	4.61	17.7	74.9	27.5	16.8	7.90	5.15	2.93	5.55	10.3
MAX	4.9	2.9	12	103	212	44	40	34	15	5.6	15	70
MIN	2.1	1.9	1.9	8.0	26	15	4.5	2.8	3.4	1.9	1.8	1.8

CAL YR 1973 TOTAL 12,793.4 MEAN 35.1 MAX 625 MIN 1.7
WTR YR 1974 TOTAL 5,259.3 MEAN 14.4 MAX 212 MIN 1.8

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-08	1745	5.75	214	2-17	0115	5.95	278

02175000 EDISTO RIVER NEAR GIVHANS, S.C.

LOCATION.--Lat 33°01'40", long 80°23'30", Dorchester County, on left bank at downstream side of bridge on State Highway 61, 2.3 mi (3.7 km) downstream from Four Hole Swamp, 2.8 mi (4.5 km) west of Givhans, and at mile 59.9 (96.4 km).

DRAINAGE AREA.--2,730 mi^2 (7,070 km^2), approximately.

PERIOD OF RECORD.--January 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.46 ft (6.236 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--35 years, 2,674 ft^3/s (75.73 m^3/s), 13.30 in/yr (338 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,800 ft^3/s (278 m^3/s) Feb. 22, gage height, 12.56 ft (3.828 m)(from indicator); minimum daily, 890 ft^3/s (25.2 m^3/s), July 25.

Period of record: Maximum discharge, 24,500 ft^3/s (694 m^3/s) June 14, 1973, gage height, 15.84 ft (4.828 m); minimum, 290 ft^3/s (8.21 m^3/s) Aug. 16, 1956, gage height, 0.51 ft (0.155 m).

Maximum stage known since at least 1904, 17.5 ft (5.33 m) in February 1925, from investigation by Charleston Commissioners of Public Works, discharge, 24,900 ft^3/s (705 m^3/s).

REMARKS.--Records good. About 109 ft^3/s (3.1 m^3/s) a day diverted above station for Charleston water supply during year.

REVISIONS (WATER YEARS).--WSP 1032: Drainage area. WSP 1303: 1939 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,250	968	1,250	2,510	3,260	6,200	4,480	1,700	2,180	1,010	1,060	1,160
2	1,210	968	1,270	2,420	3,420	5,650	4,430	1,600	2,130	980	1,150	1,140
3	1,200	980	1,270	2,380	3,580	5,160	4,340	1,510	2,020	956	1,210	1,110
4	1,220	1,010	1,280	2,380	3,730	4,720	4,190	1,440	1,870	960	1,250	1,080
5	1,240	1,030	1,290	2,390	3,850	4,360	4,000	1,420	1,750	960	1,380	1,060
6	1,270	1,060	1,290	2,400	3,990	4,060	3,790	1,410	1,710	1,000	1,660	1,120
7	1,310	1,080	1,280	2,440	4,170	3,800	3,570	1,370	1,820	1,200	2,270	1,270
8	1,360	1,100	1,290	2,520	4,770	3,590	3,350	1,350	1,760	1,290	2,570	1,350
9	1,440	1,120	1,360	2,600	5,950	3,380	3,270	1,370	1,580	1,360	2,730	1,390
10	1,510	1,130	1,410	2,710	7,000	3,220	3,360	1,430	1,480	1,350	2,900	1,430
11	1,570	1,120	1,410	2,840	7,420	3,080	3,500	1,490	1,390	1,290	3,240	1,450
12	1,610	1,120	1,420	2,970	7,500	2,970	3,610	1,640	1,330	1,240	3,300	1,490
13	1,610	1,120	1,460	3,110	7,460	2,940	3,770	1,900	1,330	1,240	3,470	1,540
14	1,580	1,120	1,530	3,200	7,500	2,900	4,100	1,950	1,390	1,250	3,900	1,590
15	1,500	1,110	1,590	3,220	7,700	2,820	4,360	1,920	1,540	1,240	4,520	1,620
16	1,360	1,110	1,700	3,190	7,000	2,780	4,430	1,920	1,640	1,190	4,940	1,640
17	1,230	1,110	1,900	3,100	7,500	2,890	4,330	1,940	1,640	1,140	5,090	1,640
18	1,140	1,120	2,020	3,010	8,900	3,050	4,100	1,930	1,660	1,110	4,910	1,690
19	1,090	1,130	2,080	2,920	9,000	3,150	3,800	1,910	1,690	1,140	4,530	1,760
20	1,060	1,140	2,140	2,850	9,400	3,220	3,480	1,930	1,690	1,070	4,160	1,810
21	1,040	1,140	2,230	2,820	9,700	3,270	3,220	1,950	1,690	972	3,760	1,930
22	1,020	1,160	2,280	2,840	9,900	3,310	3,020	1,910	1,640	921	3,440	2,240
23	1,010	1,170	2,330	2,890	9,600	3,340	2,840	1,880	1,500	914	3,200	2,730
24	996	1,170	2,360	2,920	9,000	3,400	2,670	1,810	1,270	900	2,990	3,150
25	992	1,170	2,380	2,940	8,500	3,490	2,520	1,710	1,140	890	2,770	3,220
26	984	1,170	2,410	2,960	8,000	3,650	2,380	1,600	1,100	897	2,490	3,030
27	976	1,180	2,440	2,990	7,350	3,870	2,250	1,590	1,110	925	2,140	2,730
28	968	1,190	2,480	3,000	6,760	4,090	2,110	1,750	1,120	1,030	1,780	2,410
29	968	1,220	2,510	2,980	------	4,280	1,960	1,900	1,080	1,030	1,530	2,130
30	968	1,240	2,530	3,020	------	4,420	1,820	2,060	1,050	1,020	1,360	1,910
31	968	------	2,540	3,120	------	4,480	------	2,160	------	1,020	1,240	------
TOTAL	37,650	33,456	56,730	87,640	191,910	115,540	103,050	53,450	46,300	33,495	86,940	53,820
MEAN	1,215	1,115	1,830	2,827	6,854	3,727	3,435	1,724	1,543	1,080	2,805	1,794
MAX	1,610	1,240	2,540	3,220	9,900	6,200	4,480	2,160	2,180	1,360	5,090	3,220
MIN	968	968	1,250	2,380	3,260	2,780	1,820	1,350	1,050	890	1,060	1,060

CAL YR 1973 TOTAL 1,566,436 MEAN 4,292 MAX 24,100 MIN 968
WTR YR 1974 TOTAL 899,981 MEAN 2,466 MAX 9,900 MIN 890

02175500 SALKEHATCHIE RIVER NEAR MILEY, S.C.

LOCATION.--Lat 32°59'20", long 81°03'10", Hampton County, on right bank 90 ft (27 m) downstream from bridge on U.S. Highway 601, 2.4 mi (3.9 km) downstream from Savannah Creek, 3.1 mi (5.0 km) upstream from Hampton and Branchville Railroad bridge, 3.1 mi (5.0 km) northwest of Miley, and at mile 68.0 (109.4 km).

DRAINAGE AREA.--341 mi² (883 km²).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 64.35 ft (19.614 m) above mean sea level. Dec. 6, 1957 to Jan. 22, 1971, nonrecording gage at same site and datum. Prior to Dec. 6, 1957, nonrecording gage at bridge 90 ft (27 m) upstream at same datum.

AVERAGE DISCHARGE.--23 years, 341 ft³/s (9.657 m³/s), 13.58 in/yr (345 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,650 ft³/s (46.7 m³/s) Feb. 18, gage height, 4.53 ft (1.381 m); minimum daily, 120 ft³/s (3.40 m³/s) Aug. 30.

Period of record: Maximum discharge, 2,340 ft³/s (66.3 m³/s) Sept. 2, 1964, gage height, 4.99 ft (1.521 m); minimum, 17 ft³/s (0.48 m³/s) Sept. 13, 1954.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	510	220	296	528	685	528	528	197	305	195	201	134
2	450	220	296	623	764	488	499	188	245	165	176	135
3	409	220	299	608	764	471	466	182	222	157	165	128
4	418	220	308	564	693	455	427	178	210	227	201	124
5	477	220	308	571	546	441	409	256	201	245	208	141
6	488	220	311	564	482	436	396	253	205	238	308	180
7	436	220	308	540	638	432	405	261	210	227	499	208
8	371	240	360	499	874	423	450	275	232	210	685	244
9	320	240	450	450	1,120	409	623	267	195	220	938	282
10	272	260	460	418	1,310	392	710	261	190	261	764	283
11	235	260	450	405	1,370	367	653	248	197	324	645	265
12	215	280	471	427	1,240	367	585	287	203	388	593	230
13	203	300	455	414	1,040	405	528	331	201	375	466	188
14	201	300	505	401	843	414	522	320	184	345	371	162
15	201	300	477	418	746	423	455	356	161	245	345	150
16	201	264	528	423	927	522	405	364	184	174	375	142
17	197	258	578	414	1,330	669	405	320	195	166	349	180
18	188	256	571	409	1,600	608	396	256	182	251	364	268
19	184	253	571	409	1,580	571	367	213	180	256	436	246
20	184	256	615	401	1,490	534	331	383	163	290	401	234
21	182	267	600	436	1,280	505	305	450	149	299	275	247
22	178	267	564	466	1,090	499	281	418	142	261	247	256
23	190	251	505	460	950	482	269	466	152	225	228	263
24	190	253	471	499	874	499	258	455	203	222	196	251
25	200	267	446	510	803	578	245	446	220	284	174	221
26	200	281	436	488	701	701	238	552	205	253	156	187
27	200	287	441	441	615	693	232	764	238	248	146	173
28	200	299	423	388	564	645	225	793	264	235	133	180
29	220	308	392	388	------	653	215	593	248	220	124	169
30	220	299	409	600	------	685	205	471	222	232	120	159
31	220	------	423	661	------	608	------	379	------	217	121	------
TOTAL	8,360	7,786	13,727	14,823	26,919	15,903	12,033	11,183	6,108	7,655	10,410	6,030
MEAN	270	260	443	478	961	513	401	361	204	247	336	201
MAX	510	308	615	661	1,600	701	710	793	305	388	938	283
MIN	178	220	296	388	482	367	205	178	142	157	120	124
CFSM	.79	.76	1.30	1.40	2.82	1.50	1.18	1.06	.60	.72	.99	.59
IN.	.91	.85	1.50	1.62	2.94	1.73	1.31	1.22	.67	.84	1.14	.66

CAL YR 1973 TOTAL 204,940 MEAN 561 MAX 2,110 MIN 174 CFSM 1.65 IN 22.36
WTR YR 1974 TOTAL 140,937 MEAN 386 MAX 1,600 MIN 120 CFSM 1.13 IN 15.37

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.

LOCATION.--Lat 32°50'10", long 81°07'55", Hampton County, near left bank on downstream side of bridge on U.S. Highway 601, 1.6 mi (2.6 km) downstream from Black Creek, 2.5 mi (4.0 km) southwest of Hampton, and at mile 33.6 (54.1 km).

DRAINAGE AREA.--203 mi^2 (526 km^2).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 50.30 ft (15.331 m) above mean sea level. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--23 years, 185 ft^3/s (5.239 m^3/s), 12.38 in/yr (314 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,520 ft^3/s (43.0 m^3/s) Feb. 9, gage height, 5.11 ft (1.558 m); minimum daily 1.8 ft^3/s (0.05 m^3/s) Jun. 23, 25.

Period of record: Maximum discharge, 8,160 ft^3/s (231 m^3/s) Sept. 2, 1969, gage height, 8.39 ft (2.557 m), from floodmarks; no flow for some days in 1951, 1954, 1956, 1957, 1968, 1969.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	17	33	177	602	287	445	34	30	7.7	9.1	38
2	70	15	32	253	477	277	359	30	24	4.6	10	131
3	58	14	30	277	396	263	297	27	19	4.1	42	110
4	51	13	28	240	408	254	263	25	17	7.7	67	64
5	45	13	29	199	414	235	287	30	16	7.4	194	43
6	38	13	30	174	377	218	377	38	17	8.0	338	48
7	33	12	30	160	390	214	365	40	27	11	360	67
8	29	13	45	145	822	202	297	35	64	14	403	79
9	25	16	79	136	1,430	191	313	31	40	10	360	91
10	21	18	108	125	1,160	180	402	30	24	7.4	476	76
11	20	19	104	139	857	167	464	25	19	7.4	462	49
12	18	23	74	195	659	180	384	48	15	7.1	377	36
13	17	24	53	218	533	240	319	83	12	9.4	250	27
14	15	21	48	195	464	336	359	101	11	14	218	29
15	15	20	47	170	498	303	359	69	6.6	11	222	65
16	14	20	115	148	739	287	297	42	5.8	14	273	69
17	14	19	240	136	1,100	445	235	33	4.8	14	355	56
18	12	19	272	125	1,050	526	184	28	3.9	11	384	77
19	11	19	206	118	875	477	151	24	3.0	17	338	79
20	10	20	174	110	788	377	128	27	2.5	29	273	65
21	9.8	21	160	164	747	330	110	34	2.2	19	188	48
22	10	24	142	272	676	330	99	42	1.9	12	218	35
23	12	27	123	319	578	319	93	52	1.8	9.4	227	26
24	13	29	106	267	512	292	81	51	1.9	17	170	20
25	13	30	93	210	445	297	70	44	1.8	17	110	16
26	12	28	91	177	384	512	62	38	2.0	24	81	14
27	11	27	106	157	341	634	55	77	2.9	29	64	14
28	10	30	139	148	308	594	49	136	6.4	33	52	23
29	14	33	154	164	------	519	44	104	8.3	25	42	27
30	16	33	139	336	------	526	38	62	12	19	35	24
31	17	------	133	578	------	512	------	41	------	16	31	------
TOTAL	750.8	630	3,163	6,232	18,030	10,524	6,986	1,481	402.8	436.2	6,629.1	1,546
MEAN	24.2	21.0	102	201	644	339	233	47.8	13.4	14.1	214	51.5
MAX	97	33	272	578	1,430	634	464	136	64	33	476	131
MIN	9.8	12	28	110	308	167	38	24	1.8	4.1	9.1	14
CFSM	.12	.10	.50	.99	3.17	1.67	1.15	.24	.07	.07	1.05	.25
IN.	.14	.12	.59	1.14	3.30	1.93	1.28	.27	.07	.08	1.21	.28

CAL YR 1973 TOTAL 110,045.8 MEAN 301 MAX 1,790 MIN 9.8 CFSM 1.48 IN 20.17
WTR YR 1974 TOTAL 56,810.9 MEAN 156 MAX 1,430 MIN 1.8 CFSM .77 IN 10.41

02177000 Chattooga River near Clayton, Ga.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C., on left bank 150 ft (46 m) downstream from bridge on U.S. Highway 76, 2.8 mi (4.5 km) upstream from Stekoa Creek, 7 mi (11.3 km) southeast of Clayton, 9 mi (14.5 km) downstream from War Woman Creek, and 9 mi (14.5 km) upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi^2 (536 km^2).

PERIOD OF RECORD.--Discharge: May 1907 to June 1908, October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.
Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft (355.3 m) above mean sea level. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.

AVERAGE DISCHARGE.--35 years (1939-74), 644 ft^3/s (18.2 m^3/s), 42.25 in/yr (1,073.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,400 ft^3/s (181 m^3/s) Dec. 26, gage height, 5.58 ft (1.701 m); minimum, 260 ft^3/s (7.36 m^3/s) Nov. 20, gage height, 1.21 ft (0.369 m).

Period of record: Maximum discharge, 29,000 ft^3/s (821 m^3/s) Aug. 30, 1940, gage height, 13.8 ft (4.206 m), from rating curve extended above 4,700 ft^3/s (133 m^3/s) on basis of slope-area measurements at gage heights 9.9 and 13.2 ft (3.018 and 4.023 m); minimum, 88 ft^3/s (2.49 m^3/s) Oct. 8, 12, 13, 1954.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1383: 1940-41, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	577	346	658	3,350	1,130	1,020	775	704	851	494	478	598
2	586	324	568	2,000	1,790	980	950	778	870	478	488	604
3	470	307	526	1,670	1,790	960	990	780	802	478	1,490	633
4	407	302	502	1,970	1,450	920	3,040	765	766	584	1,730	588
5	376	302	2,460	1,620	1,280	870	2,220	1,010	685	844	1,820	554
6	358	295	1,510	1,450	1,270	850	1,470	1,120	1,360	707	1,870	707
7	346	290	1,550	1,400	1,520	830	1,230	867	2,000	626	1,620	706
8	358	290	830	1,270	1,620	802	1,210	849	1,270	742	2,380	602
9	376	285	757	1,350	1,370	784	1,270	766	1,080	703	2,100	566
10	352	280	676	1,350	1,240	757	1,090	720	1,050	655	1,580	549
11	340	275	622	1,400	1,160	748	1,020	731	943	774	1,400	674
12	335	275	586	1,350	1,110	730	980	2,580	825	734	1,280	575
13	324	270	595	1,200	1,070	721	1,450	1,530	788	647	1,430	626
14	324	270	640	1,160	1,080	685	1,250	1,080	764	635	1,390	663
15	324	270	568	1,150	1,070	676	1,130	962	756	584	1,310	557
16	318	302	577	1,080	1,390	748	1,040	899	782	540	1,350	529
17	313	280	542	1,030	1,280	694	980	856	730	486	1,230	515
18	302	270	510	990	1,110	658	930	878	649	823	1,150	511
19	302	265	478	960	1,130	667	900	828	621	601	1,090	488
20	291	265	613	960	1,060	757	870	928	632	534	1,060	478
21	285	890	960	1,860	1,000	1,230	840	871	642	528	1,050	470
22	285	1,060	703	1,350	2,910	930	850	872	634	481	1,090	470
23	291	518	622	1,190	1,850	793	905	1,550	627	518	1,060	467
24	296	421	586	1,120	1,470	748	831	1,330	654	724	935	455
25	285	394	577	1,080	1,300	730	807	980	667	631	975	478
26	275	394	3,230	1,130	1,190	712	790	925	567	530	1,010	428
27	270	811	3,000	1,940	1,110	694	783	1,530	543	882	830	439
28	280	2,210	1,660	1,550	1,060	685	755	1,080	576	690	712	691
29	352	1,290	1,200	1,530	------	960	719	947	550	729	660	568
30	302	811	1,790	1,300	------	1,040	707	885	506	570	636	473
31	296	------	2,350	1,200	------	850	------	851	------	504	603	------
TOTAL	10,596	14,562	32,446	43,960	37,810	25,229	32,782	31,452	24,190	19,456	37,807	16,662
MEAN	342	485	1,047	1,418	1,350	814	1,093	1,015	806	628	1,220	555
MAX	586	2,210	3,230	3,350	2,910	1,230	3,040	2,580	2,000	882	2,380	707
MIN	270	265	478	960	1,000	658	707	704	506	478	478	428
CFSM	1.65	2.34	5.06	6.85	6.52	3.93	5.28	4.90	3.89	3.03	5.89	2.68
IN.	1.90	2.62	5.83	7.90	6.79	4.53	5.89	5.65	4.35	3.50	6.79	2.99

CAL YR 1973 TOTAL 357,657 MEAN 980 MAX 8,590 MIN 265 CFSM 4.73 IN 64.27
WTR YR 1974 TOTAL 326,952 MEAN 896 MAX 3,350 MIN 265 CFSM 4.33 IN 58.76

PEAK DISCHARGE (BASE, 3,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-28	1400	4.45	4,190	2-22	0945	4.68	4,610
12-5	1300	4.60	4,460	4-4	1745	4.47	4,230
12-26	2000	5.58	6,400	5-12	1130	4.45	4,190
1-1	0015	4.87	4,970				

02185200 LITTLE RIVER NEAR WALHALLA, S.C.

LOCATION.--Lat 34°50'11", long 82°58'48", Oconee County, on downstream side of bridge on State Highway 11, 0.5 mi (0.8 km) downstream from Oconee Creek, 3.5 mi (5.6 km) south of Salem and 6.5 mi (10.5 km) northeast of Walhalla.

DRAINAGE AREA.--72.0 mi² (186.5 km²).

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 810 ft (247 m)(from topographic map).

AVERAGE DISCHARGE.--7 years, 181 ft³/s (5.126 m³/s), 34.14 in/yr (867 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,050 ft³/s (58.1 m³/s) Dec. 26, gage height, 4.56 ft (1.390 m); minimum, 72 ft³/s (2.04 m³/s) Oct. 6-12, 14, 15, 26-29, 31, Nov. 1, 6-9, 16-21.

Period of record: Maximum discharge, 14,400 ft³/s (408 m³/s) June 4, 1967, gage height, 12.29 ft (3.746 m); minimum, 15 ft³/s (0.42 m³/s) July 11-20, Oct. 3-8, 1970.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	93	110	972	265	273	241	180	190	128	122	144
2	122	83	104	460	612	265	277	220	187	125	121	123
3	110	83	101	405	560	257	273	200	176	122	184	126
4	104	85	110	435	395	237	780	190	169	180	171	115
5	101	83	585	332	337	233	535	220	166	241	171	109
6	98	78	257	301	341	229	365	260	241	166	249	216
7	85	80	183	328	475	225	314	220	265	155	201	164
8	88	83	155	293	560	222	332	190	253	169	322	139
9	93	88	146	314	415	218	328	160	208	146	296	127
10	80	80	134	301	346	176	285	160	208	134	393	121
11	75	80	124	314	301	173	265	200	215	135	252	125
12	85	80	122	297	285	173	257	360	187	134	220	117
13	88	80	140	277	273	169	360	340	176	126	220	118
14	85	80	137	277	285	162	346	220	169	171	190	138
15	88	80	137	273	281	162	328	180	169	140	172	116
16	83	83	137	249	450	187	293	190	187	129	166	112
17	85	80	128	211	360	166	269	170	162	122	156	109
18	85	80	122	208	314	162	249	160	155	125	147	108
19	83	80	119	201	328	166	245	160	152	118	153	102
20	83	78	218	211	301	190	237	160	180	115	149	99
21	83	190	265	732	285	415	229	150	173	112	137	97
22	83	140	180	319	690	241	233	210	159	114	131	96
23	83	110	159	265	405	204	237	500	149	130	128	95
24	83	98	146	249	341	194	222	320	143	166	123	91
25	83	95	143	241	314	190	200	215	143	443	136	92
26	80	98	1,140	301	297	183	190	222	137	185	139	93
27	75	110	555	445	285	183	180	337	155	301	129	105
28	78	204	305	355	277	180	180	241	149	204	123	162
29	85	152	257	323	------	460	170	218	137	160	121	119
30	83	122	390	297	------	341	160	204	134	142	122	104
31	83	------	804	277	------	273	------	194	------	129	114	------
TOTAL	2,742	2,956	7,614	10,463	10,378	6,909	8,580	6,951	5,294	4,967	5,458	3,582
MEAN	88.5	98.5	246	338	371	223	286	224	176	160	176	119
MAX	122	204	1,140	972	690	460	780	500	265	443	393	216
MIN	75	78	101	201	265	162	160	150	134	112	114	91
CFSM	1.23	1.37	3.42	4.69	5.15	3.10	3.97	3.11	2.44	2.22	2.44	1.65
IN.	1.42	1.53	3.93	5.41	5.36	3.57	4.43	3.59	2.74	2.57	2.82	1.85

CAL YR 1973 TOTAL 87,492 MEAN 240 MAX 5,340 MIN 75 CFSM 3.33 IN 45.20
WTR YR 1974 TOTAL 75,894 MEAN 208 MAX 1,140 MIN 75 CFSM 2.89 IN 39.21

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-26	1600	4.56	2,050				

02187250 HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County (Ga.) - Anderson County (S.C.), Ga.-S.C. State line, in right spillway elevator tower of dam on Savannah River, 0.9 mi (1.4 km) upstream from Big Generostee Creek, 6.4 mi (10.3 km) east of Hartwell, and at mile 305.0 (490.7 km).

DRAINAGE AREA.--2,088 mi^2 (5,408 km^2).

PERIOD OF RECORD.--October 1959 to September 1961 (elevations and contents at end of month), October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1961, recording or nonrecording gage at several sites near dam at same datum.

EXTREMES.--Current year: Maximum elevation, 661.66 ft (201.674 m) Feb. 20; minimum, 656.44 ft (200.083 m) Dec. 14.

Period of record: Maximum elevation, 665.47 ft (202.835 m) Apr. 8, 1964; minimum, 626.70 ft (191.018 m) Oct. 16, 1961.

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; dam completed in 1961. Storage began in February 1961. Usable capacity, 74,430,000,000 ft^3 (2,108,000,000 m^3) between elevations 625.0 ft (190.50 m) (normal limit of drawdown) and 665 ft (202.7 m) (top of spillway gates). Dead storage below 625.0 ft (190.50 m), 49,400,000,000 ft^3 (1,339,000,000 m^3). Figures given herein represent usable contents. Elevation of spillway crest, 630.0 ft (192.02 m). Water is used for flood control, generation of power, and in the interest of navigation below Augusta.

Capacity table [elevation, in feet (and meters) and usable contents, in billions of cubic feet (and million of cubic meters)]
(Computed from table prepared by Corps of Engineers)

655.0 ft (199.64 m)	50.02 ft^3 (1,417.0 m^3)
660.0 ft (201.17 m)	61.66 ft^3 (1,746.0 m^3)
665.0 ft (202.69 m)	74.43 ft^3 (2,108.0 m^3)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	659.73	658.72	657.43	659.35	658.91	659.55	660.00	660.22	660.73	659.89	659.68	659.80
2	659.67	658.71	657.50	659.48	659.43	659.69	659.99	660.30	660.80	659.90	659.59	659.79
3	659.56	658.76	657.33	659.66	659.82	659.79	659.92	660.08	660.80	659.80	659.75	659.65
4	659.49	658.80	657.19	659.91	660.17	659.69	660.20	660.19	660.90	659.99	659.93	659.55
5	659.41	658.70	657.31	660.52	660.13	659.55	660.31	660.31	660.68	660.20	659.86	659.39
6	659.43	658.66	657.19	660.72	660.18	659.30	660.49	660.30	660.53	660.39	660.03	659.39
7	659.48	658.62	656.97	660.67	660.19	659.18	660.60	660.31	660.51	660.63	660.17	659.47
8	659.43	658.53	657.12	660.77	660.38	659.00	660.80	660.27	660.70	660.79	660.31	659.49
9	659.33	658.47	657.20	660.83	660.83	659.12	660.82	660.29	660.88	660.88	660.76	659.50
10	659.33	658.50	657.04	660.67	661.08	659.26	660.80	660.18	661.00	660.97	660.40	659.29
11	659.34	658.53	657.06	660.42	661.33	659.22	660.80	660.25	660.92	660.72	660.50	659.06
12	659.15	658.37	656.90	660.62	661.28	659.20	660.69	660.57	660.85	660.48	660.45	658.98
13	659.19	658.23	656.72	660.90	661.16	659.19	660.89	660.59	660.80	660.49	660.35	658.71
14	659.22	658.03	656.44	660.78	661.10	659.16	661.10	660.58	660.64	660.52	660.37	658.79
15	659.20	657.84	656.64	660.54	660.91	659.07	661.03	660.52	660.70	660.41	660.23	658.80
16	659.21	657.70	656.83	660.13	661.28	659.20	660.92	660.50	660.79	660.30	660.12	658.56
17	659.18	657.74	656.88	659.65	661.51	659.28	660.74	660.51	660.78	660.20	660.24	658.29
18	659.08	657.79	656.87	659.23	661.53	659.32	660.50	660.69	660.70	660.18	660.37	658.13
19	658.97	657.64	656.78	659.29	661.62	659.33	660.42	660.79	660.57	660.00	660.30	658.09
20	659.02	657.51	656.81	659.52	661.66	659.38	660.50	660.74	660.40	660.09	660.26	657.91
21	659.06	657.52	656.78	659.61	661.38	659.50	660.60	660.71	660.22	660.12	660.25	657.92
22	659.02	657.59	656.77	659.55	661.43	659.38	660.58	660.65	660.29	659.99	660.17	657.96
23	658.99	657.49	656.87	659.39	661.44	659.47	660.52	660.86	660.30	660.01	659.98	657.91
24	658.92	657.56	656.83	659.17	661.57	659.56	660.48	660.84	660.21	659.93	660.07	657.87
25	658.89	657.63	656.92	659.02	661.24	659.64	660.32	660.90	660.15	659.91	660.10	657.81
26	658.80	657.53	657.05	659.25	660.80	659.73	660.27	661.04	660.05	659.88	660.18	657.77
27	658.86	657.42	657.18	659.51	660.41	659.68	660.37	661.05	660.01	660.15	659.99	657.79
28	658.92	657.48	657.13	659.40	659.99	659.51	660.43	660.81	659.94	660.23	659.94	657.88
29	658.82	657.43	657.25	659.20	------	659.68	660.28	660.60	660.00	660.02	659.86	657.93
30	658.80	657.36	657.58	659.03	------	659.90	660.21	660.60	660.03	659.81	659.69	657.78
31	658.78	------	658.30	658.99	------	660.01	------	660.64	------	659.74	659.77	------
MEAN	659.17	658.03	657.06	659.86	660.81	659.44	660.52	660.54	660.53	660.21	660.12	658.64
MAX	659.73	658.80	658.30	660.90	661.66	660.01	661.10	661.05	661.00	660.97	660.76	659.80
MIN	658.78	657.36	656.44	658.99	658.91	659.00	659.92	660.08	659.94	659.74	659.59	657.77
(‡)	58.72	55.38	57.58	59.22	61.64	61.68	62.18	63.24	61.73	61.03	61.10	56.36
($)	-773	-1,289	821	612	1,000	15	193	396	-583	-261	26	-1,829

CAL YR 1973	$ 13	MAX 664.05	MIN 656.44
WTR YR 1974	$ -140	MAX 661.66	MIN 656.44

(‡) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
($) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generostee Creek, 5.8 mi (9.3 km) southwest of Iva, and at mile 296.5 (477.1 km).

DRAINAGE AREA.--2,231 mi^2 (5,778 km^2).

PERIOD OF RECORD.--October 1949 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 432.26 ft (131.753 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--25 years, 4,301 ft^3/s (122 m^3/s), 26.18 in/yr (665 mm/yr).

EXTREMES.--Current year: Maximum discharge, 28,100 ft^3/s (796 m^3/s) Aug. 9, gage height, 8.01 ft (2.441 m); minimum, 250 ft^3/s (7.08 m^3/s) Oct. 28; minimum daily, 264 ft^3/s (7.48 m^3/s) Oct. 28.

Period of record: Maximum discharge, 54,400 ft^3/s (1,540 m^3/s) Mar. 12, 1952, gage height, 12.74 ft (3.883 m) minimum, 75 ft^3/s (2.12 m^3/s) Oct. 24, 1961; minimum daily, 78 ft^3/s (2.21 m^3/s) Oct. 23, 24, 1961.

REMARKS.--Records fair. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,970	3,870	988	12,000	9,500	16,000	5,200	3,230	756	7,460	4,960	1,170
2	4,750	3,440	264	12,000	2,680	3,060	5,870	3,080	915	7,450	5,020	2,930
3	7,150	688	7,550	11,000	1,380	622	6,780	9,850	4,020	6,730	1,090	6,840
4	6,550	268	8,180	9,000	5,030	2,790	12,000	870	4,380	1,290	1,160	5,680
5	5,500	4,390	8,470	1,520	7,000	8,500	10,400	418	8,070	4,070	6,540	5,260
6	736	4,560	9,400	533	9,500	9,000	3,270	4,020	10,200	1,310	6,810	5,770
7	331	4,600	10,000	7,190	12,000	8,500	664	4,460	10,200	1,430	3,360	1,370
8	3,260	4,620	852	11,000	9,000	9,000	6,230	4,410	956	6,510	7,940	1,150
9	4,590	4,640	378	11,000	5,730	800	9,070	4,420	904	7,190	10,300	8,270
10	2,690	847	7,510	13,000	1,460	470	6,570	8,090	4,410	8,090	5,480	8,970
11	2,330	287	7,920	14,000	8,000	5,000	6,790	1,130	4,370	11,100	1,810	12,100
12	6,950	6,150	6,600	3,720	8,000	6,000	8,020	526	5,730	10,000	6,820	11,000
13	729	6,850	7,530	566	8,000	6,000	3,410	5,070	6,960	2,280	7,320	12,200
14	279	6,780	10,300	10,400	8,000	6,460	652	5,220	8,050	1,220	3,930	1,010
15	2,610	7,280	1,170	14,000	8,000	5,950	7,520	5,940	623	7,830	8,160	285
16	2,720	7,110	412	15,000	4,500	886	7,930	8,530	1,040	6,450	7,810	9,490
17	2,150	892	3,510	16,000	2,500	395	10,900	9,100	2,070	9,330	997	9,830
18	3,750	342	4,330	16,000	12,000	4,270	10,800	917	4,860	8,820	1,170	6,990
19	5,540	5,780	4,600	5,730	13,000	4,340	8,090	350	6,870	7,400	6,660	4,950
20	714	6,730	5,010	838	13,000	4,340	919	5,340	9,110	1,240	4,040	6,450
21	266	6,830	6,270	6,000	13,000	4,390	426	4,390	8,530	1,100	2,740	1,680
22	3,060	2,710	3,010	12,000	13,000	6,930	5,930	4,860	3,700	6,890	10,900	358
23	3,600	5,210	946	13,000	10,000	897	6,420	7,600	1,340	3,390	8,430	2,560
24	3,580	820	2,660	13,000	6,000	364	6,480	8,670	4,990	4,640	1,180	2,900
25	3,600	280	949	13,000	15,000	5,870	7,530	2,210	3,760	4,300	1,150	2,900
26	3,640	6,120	7,430	3,040	16,000	5,790	6,500	962	4,870	4,050	10,800	2,910
27	791	5,270	8,140	1,740	17,000	9,190	847	4,710	4,970	914	11,500	2,690
28	264	5,420	7,870	7,500	16,000	9,410	393	10,900	4,340	1,380	9,740	882
29	5,110	5,390	2,610	15,000	------	9,780	8,890	14,000	820	8,930	7,700	307
30	3,340	5,390	1,040	13,000	------	1,020	7,070	13,200	1,210	8,110	7,200	5,360
31	3,690	------	7,480	15,000	------	461	------	10,500	------	4,940	1,240	------
TOTAL	99,240	123,564	153,379	296,777	254,280	156,485	181,571	166,963	133,024	165,844	173,957	144,262
MEAN	3,201	4,119	4,948	9,573	9,081	5,048	6,052	5,386	4,434	5,350	5,612	4,809
MAX	7,150	7,280	10,300	16,000	17,000	16,000	12,000	14,000	10,200	11,100	11,500	12,200
MIN	264	268	264	533	1,380	364	393	350	623	914	997	285

CAL YR 1973 TOTAL 2,196,598 MEAN 6,018 MAX 19,700 MIN 264
WTR YR 1974 TOTAL 2,049,346 MEAN 5,615 MAX 17,000 MIN 264

02189000 SAVANNAH RIVER NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, on left bank 150 ft (46 m) upstream from bridge on State Highway 72, 1.0 mi (1.6 km) downstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Rocky River, 3.0 mi (4.8 km) southwest of Calhoun Falls, and at mile 279.7 (450.0 km).

DRAINAGE AREA.--2,876 mi^2 (7,449 km^2).

PERIOD OF RECORD.--August 1896 to August 1898, March 1899 to December 1900, January to December 1903, March 1930 to July 1932, April 1938 to current year. Published as "at Calhoun Falls" 1897-99. Records for January 1901 to December 1902, published in WSP 65, 75, and 83 have been found unreliable, and should not be used. Gage-height records collected at original site 1.0 mi (1.6 km) upstream during 1899-1928 and at present site since 1928 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 363.53 ft (110.804 m) above mean sea level. Prior to July 1, 1928, nonrecording gage at railroad bridge 1.0 mi (1.6 km) upstream at datum about 369.0 ft (112.47 m) above mean sea level.

AVERAGE DISCHARGE.--39 years (1896-97, 1899-1900, 1930-31, 1938-74), 5,166 ft^3/s (146 m^3/s), 24.39 in/yr (620 mm/yr).

EXTREMES.--Current year: Maximum discharge, 31,400 ft^3/s (889 m^3/s Apr. 5, gage height, 5.84 ft (1.780 m); minimum daily, 574 ft^3/s (16.3 m^3/s) Sept. 15.

Period of record: Maximum discharge 96,500 ft^3/s (2,730 m^3/s), Aug. 13, 1940 gage height, 11.52 ft (3.511 m), from rating curve above 50,000 ft^3/s (1,420 m^3/s) by velocity-area studies; minimum daily 300 ft^3/s (8.50 m^3/s) Nov. 5, 1961.

The flood of Aug. 25, 1908 reached a stage of 28.2 ft (8.60 m) at original site and datum, from records of National Weather Service, discharge, 144,000 ft^3/s (4,080 m^3/s), from rating curve extended above 14,000 ft^3/s (396 m^3/s).

REMARKS.--Records good. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,730	4,230	4,100	16,500	15,600	20,200	4,360	4,640	3,830	6,000	5,410	1,310
2	5,490	3,920	783	13,700	6,350	6,840	6,530	3,520	978	7,500	5,680	2,630
3	6,810	2,830	4,920	13,200	1,480	1,230	6,530	9,130	2,840	6,500	3,650	6,450
4	7,100	733	9,110	10,600	7,280	6,610	14,200	4,010	4,760	1,400	1,430	5,930
5	7,070	2,130	9,760	5,870	10,100	9,940	20,500	1,230	6,870	3,000	5,540	5,660
6	3,530	4,910	10,840	1,700	13,800	12,200	8,210	3,110	11,000	3,520	7,190	6,430
7	834	4,940	11,640	7,120	17,700	10,200	2,490	5,010	10,900	1,620	4,910	1,550
8	2,520	4,970	4,620	10,500	17,400	9,990	6,500	4,600	5,010	5,910	7,880	1,430
9	3,000	4,980	972	10,300	9,650	4,620	9,980	4,940	1,150	7,900	10,700	9,190
10	4,440	3,730	5,750	11,100	2,040	1,080	8,980	6,170	3,430	8,810	7,970	9,670
11	2,920	744	9,210	17,200	8,930	5,100	7,960	6,330	4,610	10,900	4,320	13,300
12	6,370	3,380	8,610	7,650	12,300	6,170	8,400	1,150	6,010	11,700	6,000	11,800
13	3,740	7,350	9,510	1,650	11,500	6,310	6,300	3,980	7,340	4,510	8,430	13,500
14	801	7,460	11,630	11,400	12,300	6,840	2,350	5,310	8,680	2,130	4,520	1,210
15	935	7,670	5,430	16,800	12,600	6,730	5,970	6,300	3,070	6,070	8,360	574
16	3,120	8,140	1,130	17,800	8,230	2,940	9,220	7,990	746	6,790	9,270	10,400
17	3,100	4,410	2,730	20,400	2,690	968	11,200	10,300	1,500	9,810	2,810	10,800
18	2,630	761	5,640	20,500	11,300	4,450	12,300	4,860	4,260	9,180	1,370	7,610
19	6,710	3,520	5,610	8,460	16,300	4,960	9,780	932	7,150	8,970	5,560	5,340
20	3,230	6,910	5,850	1,580	16,200	4,970	4,420	3,710	8,650	4,200	4,840	7,100
21	770	8,060	8,580	12,800	15,900	5,110	1,110	5,190	10,300	1,210	3,100	1,890
22	688	5,580	3,910	16,500	17,600	6,310	5,210	4,860	4,050	5,620	9,210	799
23	3,880	3,990	2,860	15,800	12,600	3,090	6,670	8,450	1,500	4,880	11,100	2,380
24	3,930	3,460	1,840	15,700	6,190	955	7,750	9,830	3,500	4,210	3,140	3,030
25	3,930	791	2,860	15,900	15,800	4,570	8,190	5,180	4,000	4,750	1,410	3,050
26	5,060	3,880	5,600	7,390	20,600	7,190	7,320	1,510	5,800	4,690	9,010	3,070
27	2,690	5,960	9,200	1,750	20,500	8,010	2,320	3,850	5,800	2,310	12,900	2,780
28	718	6,120	9,300	10,500	20,200	10,400	1,010	9,730	5,400	1,410	11,300	1,650
29	3,060	6,020	5,450	17,800	------	10,700	6,060	15,000	1,000	7,060	9,080	591
30	4,160	5,920	2,150	17,700	------	4,570	9,580	13,500	1,000	10,000	8,200	4,800
31	3,640	------	7,120	18,700	------	1,080	------	13,600	------	5,500	3,900	------
TOTAL	110,606	137,499	186,105	374,570	343,140	194,333	221,400	187,922	145,134	178,060	198,190	155,924
MEAN	3,568	4,583	6,120	12,080	12,260	6,269	7,380	6,062	4,838	5,744	6,393	5,197
MAX	7,100	8,140	11,600	20,500	20,600	20,200	20,500	15,000	11,000	11,700	12,900	13,500
MIN	688	733	783	1,580	1,480	955	1,010	932	746	1,210	1,370	574

CAL YR 1973 TOTAL 2,680,432 MEAN 7,344 MAX 30,600 MIN 688
WTR YR 1974 TOTAL 2,433,683 MEAN 6,668 MAX 20,600 MIN 574

02194500 CLARK HILL LAKE NEAR CLARKS HILL, S.C.

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County (Ga.) - McCormick County (S.C.), Ga.-S.C. State line, in left spillway elevator tower of dam on Savannah River, 1.6 mi (2.6 km) west of Clarks Hill, 3.7 mi (6.0 km) upstream from Kiokee Creek, and at mile 237.7 (382.5 km).

DRAINAGE AREA.--6,150 mi^2 (15,900 km^2), approximately.

PERIOD OF RECORD.--October 1951 to September 1952 (elevations and contents at end of month), October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation, 332.65 ft (101.392 m) Apr. 6; minimum, 325.58 ft (99.237 m) Dec. 26.

Period of record: Maximum elevation, 336.72 ft (102.632 m) Apr. 9, 1964; minimum, 296.48 ft (90.367 m) Feb 1, 1956.

REMARKS.--Lake is formed by concrete dam with earth dam at each end; dam completed in 1952. Storage began in December 1951. Usable capacity, 75,360,000,000 ft^3 (2,134,000,000 m^3) between elevations 305.0 ft (92.96 m)(normal limit of drawdown) and 335.0 ft (102.11 m)(top of spillway gates). Dead storage below 305.0 ft (92.96 m), 50,960,000,000 ft^3 (1,443,000,000 m^3). Figures given herein represent usable contents. Elevation of spillway crest, 300.0 ft (91.44 m). Water is used for flood control, generation of power, and navigation.

REVISIONS (WATER YEARS).--WSP 1703: 1953.

Capacity table [elevation, in feet (and meters), and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Computed from table prepared by Corps of Engineers)

315.0 ft	(96.01 m)	18.73 ft^3	(530.4 m^3)
320.0 ft	(97.54 m)	30.06 ft^3	(851.3 m^3)
325.0 ft	(99.06 m)	43.12 ft^3	(1,221.0 m^3)
330.0 ft	(100.58 m)	58.37 ft^3	(1,653.0 m^3)
336.0 ft	(102.41 m)	78.84 ft^3	(2,233.0 m^3)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	329.87	327.90	326.89	327.16	329.39	328.37	329.22	330.06	330.03	329.35	329.73	330.28
2	329.92	327.83	326.82	327.68	329.31	328.33	329.25	330.02	329.97	329.35	329.91	330.18
3	329.93	327.77	326.73	328.20	329.27	328.18	329.27	330.10	329.88	329.40	329.94	330.12
4	329.94	327.67	326.80	328.28	329.07	328.14	330.15	330.20	329.85	329.37	329.91	330.06
5	330.00	327.55	326.96	328.23	329.13	328.24	331.52	330.20	329.86	329.32	329.90	330.03
6	329.99	327.49	327.05	328.06	328.91	328.37	332.15	330.13	329.98	329.34	330.06	330.12
7	329.93	327.45	327.07	327.85	329.69	328.50	332.00	330.13	330.15	329.50	330.05	330.15
8	329.80	327.42	327.11	327.74	330.12	328.61	331.71	330.05	330.16	329.58	330.16	330.12
9	329.69	327.39	327.03	327.59	330.15	328.61	331.37	330.06	330.16	329.74	330.27	329.93
10	329.67	327.31	326.66	327.44	329.85	328.55	331.00	330.07	330.09	329.78	330.44	330.01
11	329.57	327.22	326.36	327.50	329.64	328.56	330.55	330.13	330.05	329.85	330.50	330.05
12	329.54	327.12	326.11	327.30	329.51	328.60	330.30	330.25	329.96	329.90	330.52	330.18
13	329.51	327.14	326.08	327.03	329.38	328.60	330.18	330.17	329.92	329.89	330.52	330.23
14	329.43	327.16	326.04	326.84	329.31	328.54	330.14	330.14	329.94	329.86	330.46	330.34
15	329.28	327.21	326.09	326.83	329.35	328.60	329.96	330.17	329.90	329.84	330.44	330.28
16	329.22	327.24	326.07	326.81	329.61	328.66	329.87	330.25	329.87	329.83	330.48	330.13
17	329.11	327.21	325.93	326.86	329.59	328.58	329.79	330.34	329.72	329.93	330.49	330.30
18	329.12	327.11	325.86	326.90	329.42	328.52	329.87	330.36	329.63	329.94	330.45	330.44
19	328.95	327.00	325.83	326.77	329.39	328.55	329.95	330.32	329.64	330.02	330.36	330.34
20	328.89	326.98	325.88	326.53	329.22	328.54	329.92	330.19	329.70	330.01	330.26	330.30
21	328.81	327.08	325.90	326.74	329.13	328.64	329.85	330.14	329.87	329.98	330.09	330.32
22	328.65	327.17	325.88	326.95	328.86	328.65	329.90	330.12	329.82	329.95	330.12	330.26
23	328.58	327.08	325.89	327.01	328.73	328.65	329.95	330.16	329.83	329.88	330.17	330.05
24	328.51	327.05	325.73	327.10	328.48	328.62	330.00	330.15	329.68	329.88	330.10	329.96
25	328.43	327.00	325.66	327.15	328.27	328.60	330.06	330.06	329.64	329.84	330.05	329.86
26	328.40	326.87	325.64	327.01	328.19	328.68	330.08	329.94	329.60	329.84	330.02	329.73
27	328.30	326.87	325.79	326.95	328.15	328.75	330.03	329.68	329.59	329.78	330.08	329.62
28	328.25	326.98	325.85	327.25	328.20	328.89	330.00	329.60	329.52	329.73	330.21	329.56
29	328.13	326.92	325.92	328.11	------	329.16	329.98	329.73	329.47	329.69	330.28	329.52
30	328.05	326.90	326.00	328.80	------	329.29	330.08	329.84	329.40	329.82	330.34	329.41
31	327.97	------	326.17	329.23	------	329.28	------	330.04	------	329.76	330.32	------
MEAN	329.14	327.24	326.25	327.42	329.19	328.61	330.27	330.09	329.83	329.74	330.21	330.06
MAX	330.00	327.90	327.11	329.23	330.15	329.29	332.15	330.36	330.16	330.02	330.52	330.44
MIN	327.97	326.87	325.64	326.53	328.15	328.14	329.22	329.60	329.40	329.32	329.73	329.41
(†)	52.18	48.92	46.69	56.02	52.88	56.17	58.64	58.51	56.54	57.64	59.46	56.57
(‡)	-2,184	-1,258	-833	3,483	-1,298	1,228	953	-49	-760	411	680	-1,115

CAL YR 1973 ‡ -83 MAX 333.41 MIN 325.64
WTR YR 1974 ‡ -46 MAX 332.15 MIN 325.64

(†) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(‡) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

NOTE.--ELEVATIONS FOR AUG. 27 TO SEPT. 30 WERE OBTAINED FROM CORPS OF ENGINEERS LOG.

02196000 STEVENS CREEK NEAR MODOC, S.C.

LOCATION.--Lat 33°43'45", long 82°10'55", Edgefield County, on left bank at bridge on State Highway 23, 1.4 mi (2.3 km) east of Modoc, and 3.2 mi (5.1 km) downstream from Turkey Creek.

DRAINAGE AREA.--545 mi^2 (1,412 km^2).

PERIOD OF RECORD.--November 1929 to September 1931, February 1940 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 197.34 ft (60.149 m) above mean sea level (levels by Southeastern Power Administration). Oct. 15, 1929, to Sept. 30, 1931, nonrecording gage at site 1,100 ft (340 m) upstream at different datum.

AVERAGE DISCHARGE.--35 years (1930-31, 1940-74), 408 ft^3/s (11.55 m^3/s) 10.17 in/yr (258 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,400 ft^3/s (379 m^3/s) Apr. 5, gage height 27.28 ft (8.315 m); minimum daily, 20 ft^3/s (0.566 m^3/s) Nov. 7.

Period of record: Maximum discharge, 35,100 ft^3/s (994 m^3/s) Aug. 14, 1940; maximum gage height, 41.08 ft (12.521 m) Aug. 14, 1940; no flow Sept. 14, 15, Sept. 24 to Nov. 16, Nov. 22, 1954.

REMARKS.--Records good. Slight diurnal fluctuation during low flow caused by small mills above station.

REVISIONS (WATER YEAR).--WSP 1032: Drainage area. WSP 1533: 1954(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	34	46	1,440	795	293	385	125	72	44	27	67
2	220	31	38	1,640	604	280	318	121	68	33	163	61
3	161	28	37	450	1,270	268	310	119	72	27	273	91
4	87	30	35	278	918	255	783	139	75	37	260	225
5	62	35	39	502	517	243	12,100	154	61	152	203	165
6	50	29	49	460	420	233	5,280	220	55	85	410	101
7	43	20	77	290	3,670	225	1,140	205	51	154	465	378
8	39	26	62	283	3,340	215	622	156	338	1,350	410	340
9	35	25	51	223	1,710	208	743	132	218	680	710	175
10	32	21	47	173	833	200	661	119	128	225	601	117
11	34	25	44	154	559	193	448	112	96	130	973	91
12	31	27	41	152	448	185	380	190	70	79	375	77
13	29	25	45	145	380	188	393	305	59	61	303	67
14	28	25	44	128	345	180	723	190	51	54	240	58
15	29	32	50	763	1,210	170	604	130	47	46	210	51
16	28	29	84	517	3,470	180	415	106	44	38	147	49
17	27	33	112	303	2,570	210	320	94	41	33	117	45
18	31	31	101	223	1,080	195	275	87	36	30	96	46
19	28	30	82	183	740	185	250	84	34	31	82	84
20	27	32	67	158	880	265	230	96	37	28	68	62
21	27	29	61	1,340	556	320	213	101	165	208	59	49
22	27	43	61	1,170	705	438	205	106	85	61	57	43
23	23	51	59	502	1,070	300	200	173	61	47	50	41
24	21	64	52	768	622	235	195	238	59	39	50	37
25	24	45	49	780	453	240	178	203	44	36	47	33
26	24	39	47	405	375	385	163	123	33	31	44	34
27	23	39	50	470	333	330	156	110	35	39	38	29
28	23	37	54	2,190	308	273	152	112	38	54	37	33
29	26	43	57	4,750	------	1,230	143	110	58	43	143	34
30	21	40	57	6,030	------	1,700	134	91	70	35	163	33
31	25	------	75	1,750	------	616	------	79	------	27	84	------
TOTAL	1,330	998	1,773	28,620	30,101	10,446	28,119	4,330	2,301	3,937	6,941	2,716
MEAN	42.9	33.3	57.2	923	1,075	337	937	140	76.7	127	224	90.5
MAX	220	64	112	6,030	3,670	1,700	12,100	305	338	1,350	973	378
MIN	21	20	35	128	308	170	134	79	33	27	27	29
CFSM	.08	.06	.11	1.69	1.97	.62	1.72	.26	.14	.23	.41	.17
IN.	.09	.07	.12	1.95	2.05	.71	1.92	.30	.16	.27	.47	.19

CAL YR 1973 TOTAL 238,844 MEAN 654 MAX 13,200 MIN 20 CFSM 1.20 IN 16.30
WTR YR 1974 TOTAL 121,612 MEAN 333 MAX 12,100 MIN 20 CFSM .61 IN 8.30

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-30	0700	21.27	7820	4-05	1700	27.28	13400

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, at New Savannah Bluff lock and dam, 0.2 mi (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 187.4 (301.5 km).

DRAINAGE AREA.--7,508 mi² (19,446 km²), including that of Butler Creek.

PERIOD OF RECORD.--October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft (29.438 m) above mean sea level (Corps of Engineers bench mark). Oct. 1, 1883, to Dec. 31, 1891, Jan. 1, 1896, to Dec. 31, 1906, Jan. 1, 1925, to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft (31.108 m) above mean sea level (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft (31.870 m) above mean sea level (levels by Corps of Engineers). Oct. 1, 1936, to Nov. 10, 1948, recording gage at site 0.2 mi (0.3 km) downstream from present site and at present datum.

AVERAGE DISCHARGE.--67 years, 10,170 ft³/s (288 m³/s), 18.40 in/yr (467 mm/yr).

EXTREMES.--Current year: Maximum discharge; 32,900 ft³/s (932 m³/s) Feb. 23, gage height, 20.13 ft (6.136 m); minimum daily, 5,450 ft³/s (154 m³/s) Oct. 2.

Period of record: Maximum discharge, 350,000 ft³/s (9,910 m³/s) Oct. 3, 1929; maximum gage height, 46.3 ft (14.11 m) Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft³/s (18.4 m³/s) Sept. 24, 1939, from rating curve extended below 1,400 ft³/s (39.6 m³/s); minimum daily, 1,040 ft³/s (29.5 m³/s) Oct. 2, 1927.

Maximum flood known occurred in 1796, discharge 360,000 ft³/s (10,200 m³/s) gage height, 40 ft (12.2 m), marked by local residents, at site and datum of Fifth Street gage) by conveyance-slope study.

REMARKS.--Records good, except for periods of missing or doubtful record which are fair. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500) and by other powerplants above station. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,760	5,790	5,790	7,330	16,400	20,000	6,770	6,620	8,310	6,310	7,000	7,300
2	5,450	5,900	5,600	15,200	16,200	16,000	7,800	7,730	7,020	6,800	6,700	6,400
3	6,360	6,240	5,600	19,400	15,600	12,600	9,770	6,300	6,530	7,060	6,700	6,400
4	7,270	6,150	5,600	16,500	15,000	10,900	9,970	6,860	6,380	7,140	6,800	6,900
5	6,910	5,960	5,680	17,700	17,500	10,100	18,100	6,850	6,740	7,240	7,100	7,700
6	6,510	5,950	6,780	17,500	18,400	9,740	24,800	6,280	6,730	7,500	7,700	8,500
7	6,150	6,030	8,670	16,000	20,200	9,740	18,700	6,430	6,850	7,260	8,800	8,800
8	5,830	6,260	8,000	15,000	21,300	9,390	22,900	7,330	7,810	6,880	10,000	7,800
9	5,480	6,520	7,500	15,000	23,600	8,540	27,900	6,300	7,160	6,810	12,500	7,300
10	5,670	6,470	6,670	15,000	21,900	8,330	28,200	6,510	6,330	8,110	11,000	8,500
11	6,200	6,060	11,000	16,000	19,400	7,100	28,400	6,200	6,200	9,130	7,000	10,000
12	6,340	6,000	16,800	16,000	19,800	6,810	25,900	6,300	6,760	9,760	6,900	11,000
13	6,620	6,240	16,000	15,000	19,600	7,190	21,300	6,100	8,900	9,110	8,500	9,200
14	6,140	6,260	13,300	14,000	19,500	8,470	16,100	6,100	9,470	7,490	10,000	8,790
15	5,800	6,150	11,000	15,000	20,600	8,620	13,300	6,200	9,730	6,310	11,000	6,840
16	5,510	6,180	9,000	16,000	23,500	7,420	16,100	6,400	7,830	6,430	10,000	6,310
17	5,870	6,080	6,620	17,000	26,800	6,760	15,900	6,400	6,240	6,910	8,300	6,540
18	6,220	6,020	6,840	16,000	24,900	6,030	15,000	6,400	6,390	7,070	7,000	6,540
19	5,910	6,130	7,170	15,000	27,700	6,890	12,300	6,600	6,920	7,480	6,600	6,390
20	6,560	5,930	7,500	15,000	27,200	6,910	8,880	6,300	7,130	7,880	7,500	6,700
21	6,100	6,370	6,340	16,000	27,800	7,230	6,650	6,900	7,130	7,660	10,000	6,730
22	5,960	6,730	6,730	17,000	29,300	7,800	6,680	6,700	7,070	6,450	9,600	6,620
23	5,930	6,180	6,600	19,300	29,300	7,930	6,880	8,430	6,670	6,430	8,700	6,010
24	6,210	5,880	6,600	18,900	26,700	7,350	7,320	14,400	5,940	6,890	7,500	5,810
25	6,110	6,170	6,400	19,260	24,400	6,460	7,430	12,900	6,140	7,350	6,800	6,410
26	6,120	6,510	6,070	17,500	24,500	7,320	7,090	11,000	6,970	7,370	6,400	6,370
27	6,200	6,300	6,670	16,400	24,800	7,210	7,310	10,100	6,990	7,320	7,300	6,320
28	5,900	6,160	6,670	14,900	23,800	6,970	7,090	13,100	6,530	6,970	9,000	6,480
29	5,850	6,070	6,670	17,600	------	7,330	6,210	12,300	7,210	6,330	8,000	6,410
30	5,680	5,900	6,670	17,200	------	9,840	6,220	10,100	6,710	6,970	6,500	6,080
31	5,740	------	6,670	17,200	------	8,640	------	7,660	------	7,930	6,700	------
TOTAL	188,360	184,590	243,210	500,830	625,700	271,620	416,970	243,800	212,790	226,350	253,600	217,150
MEAN	6,076	6,153	7,845	16,160	22,350	8,762	13,900	7,865	7,093	7,302	8,181	7,238
MAX	7,270	6,730	16,800	19,400	29,300	20,000	28,400	14,400	9,730	9,760	12,500	11,000
MIN	5,450	5,790	5,600	7,330	15,000	6,030	6,210	6,100	5,940	6,310	6,400	5,810

CAL YR 1973 TOTAL 4,649,850 MEAN 12,740 MAX 38,100 MIN 5,450
WTR YR 1974 TOTAL 3,584,970 MEAN 9,822 MAX 29,300 MIN 5,450

Note: No gage-height record Nov. 28 to Jan. 22; record doubtful July 22 to Sept. 12.

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, on downstream side of bridge on U.S. Highway 278, 0.4 mi (0.6 km) upstream from Johnson Fork Creek, and 4.6 mi (7.4 km) southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi^2 (225.3 km^2).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 120 ft (37 m) (from topographic map).

AVERAGE DISCHARGE.--8 years, 110 ft^3/s (3.115 m^3/s), 17.17 in/yr (436 mm/yr).

EXTREMES.--Current year: Maximum discharge, 260 ft^3/s (7.36 m^3/s) Feb. 7, gage height 6.60 ft (2.012 m); minimum, 86 ft^3/s (2.44 m^3/s) July 1, 16.

Period of record: Maximum discharge, 420 ft^3/s (11.9 m^3/s) Aug. 17, 1971, gage height, 8.00 ft (2.438 m); minimum, 66 ft^3/s (1.87 m^3/s) Sept. 14, 1969.

REMARKS.--Records good. Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	119	121	176	119	118	109	99	95	90	99	99
2	133	115	119	167	117	118	111	99	101	91	107	107
3	124	114	123	132	124	118	111	102	99	104	102	107
4	118	115	125	125	118	116	110	100	94	119	98	99
5	115	116	125	124	114	115	187	137	91	120	115	101
6	113	115	122	123	119	114	138	116	94	102	151	147
7	112	115	121	125	228	113	119	104	109	157	141	139
8	111	118	141	118	204	110	128	101	169	127	151	110
9	111	125	149	116	149	109	153	100	104	107	121	104
10	111	121	125	121	131	111	121	98	102	112	136	102
11	111	118	119	118	126	114	114	98	102	97	111	98
12	110	118	118	118	119	115	112	125	95	95	103	97
13	110	118	121	121	115	114	116	109	93	93	103	96
14	110	118	134	125	118	110	120	99	93	92	110	98
15	111	118	125	141	205	109	127	98	95	92	114	97
16	111	118	147	128	214	128	114	98	95	90	99	98
17	110	116	140	118	189	127	109	98	93	101	98	109
18	109	117	123	116	134	114	107	95	90	98	95	109
19	110	118	118	114	132	115	107	99	90	95	93	98
20	109	118	123	114	152	125	104	149	94	94	94	97
21	110	123	127	129	127	144	102	107	122	95	95	98
22	111	128	117	119	145	128	108	104	95	96	94	99
23	112	121	116	114	134	116	109	104	94	92	95	98
24	111	119	115	116	125	113	104	102	95	96	96	95
25	110	119	119	115	123	133	102	97	92	103	95	96
26	110	120	121	118	120	126	102	99	92	98	95	99
27	110	118	118	128	118	117	101	130	93	100	94	100
28	111	122	114	123	119	114	101	102	106	148	95	99
29	136	120	113	136	------	127	102	97	94	101	133	97
30	120	116	139	160	------	122	99	96	91	95	96	97
31	117	------	140	128	------	111	------	95	------	92	98	------
TOTAL	3,525	3,556	3,878	3,926	3,938	3,664	3,447	3,257	2,972	3,192	3,327	3,090
MEAN	114	119	125	127	141	118	115	105	99.1	103	107	103
MAX	136	128	149	176	228	144	187	149	169	157	151	147
MIN	109	114	113	114	114	109	99	95	90	90	93	95
CFSM	1.31	1.37	1.44	1.46	1.62	1.36	1.32	1.21	1.14	1.18	1.23	1.18
IN.	1.51	1.52	1.66	1.68	1.68	1.57	1.47	1.39	1.27	1.36	1.42	1.32

CAL YR 1973 TOTAL 48,693 MEAN 133 MAX 283 MIN 93 CFSM 1.53 IN 20.82
WTR YR 1974 TOTAL 41,772 MEAN 114 MAX 228 MIN 90 CFSM 1.31 IN 17.86

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-07	1400	6.60	260	2-16	1500	6.55	255

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, on left bank 1.4 mi (2.2 km) downstream from Upper Three Runs Creek, 15.2 mi (24.5 km) upstream from Steel Creek, 6.2 mi (10.0 km) south of Jackson and at mile 156.8 (252.3 km).

PERIOD OF RECORD.--October 1971 to current year (discharge below 20,000 ft^3/s (566 m^3/s) only).

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft (23.47 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 18.64 ft (5.681 m) Feb. 24; minimum daily, 6,330 ft^3/s (179 m^3/s) Oct. 23.

Period of record: Maximum gage height, 19.71 ft (6.008 m) Apr. 9, 1973; minimum daily, 6,330 ft^3/s (179 m^3/s) Oct. 5, 1971, Oct. 23, 1973.

REMARKS.--Records fair. Records of water temperature are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,910	6,670	6,770	7,160	18,400	19,900	8,340	6,880	7,980	6,740	7,110	7,400
2	6,600	6,680	6,760	9,990	17,500	19,500	7,520	7,340	7,590	6,770	6,910	7,120
3	6,860	6,700	6,720	14,700	17,100	17,600	9,050	7,170	7,070	6,960	6,990	6,720
4	7,400	6,680	6,540	15,900	16,400	14,200	9,930	6,940	6,620	7,240	7,380	6,800
5	7,600	6,650	6,550	16,000	16,500	12,200	11,300	7,110	6,780	7,370	7,450	7,180
6	7,050	6,480	6,850	16,500	17,500	10,800	16,100	6,980	6,870	7,490	7,470	7,660
7	6,790	6,530	8,290	15,900	18,700	10,200	18,600	6,780	6,900	7,590	7,740	8,450
8	6,580	6,580	8,670	15,600	19,500	9,870	18,900	6,940	7,430	7,270	8,640	8,240
9	6,360	6,800	8,250	16,600	19,800	9,340	19,600	7,240	7,730	6,920	9,940	7,870
10	6,370	6,930	7,510	17,100	19,900	8,550	20,000	6,730	7,060	7,390	11,100	7,560
11	6,540	6,800	12,000	17,400	19,800	8,050		6,830	6,540	8,490	10,000	8,230
12	6,810	6,600	14,100	17,600	19,600	7,320		6,990	6,760	9,100	7,340	9,200
13	6,960	6,590	14,800	17,700	19,300	7,340		6,930	7,570	9,150	8,310	9,910
14	6,960	6,750	14,300	16,700	19,200	7,830	19,900	6,610	9,000	8,110	9,600	9,310
15	6,730	6,670	12,800	16,600	19,300	8,590	18,500	6,690	9,560	7,000	10,200	8,100
16	6,360	6,680	10,400	17,800	19,700	8,460	16,300	6,970	8,750	6,450	10,300	7,450
17	6,390	6,660	8,260	18,700	19,900	7,400	16,400	7,140	7,300	6,730	10,000	7,140
18	6,670	6,570	7,810	19,000		6,950	15,900	7,040	6,570	6,960	7,990	7,260
19	6,660	6,600	7,980	19,100		6,840	14,700	7,370	6,730	7,170	7,180	7,300
20	6,770	6,590	8,290	18,800		7,440	12,400	7,070	7,010	7,410	7,650	7,230
21	6,840	6,560	7,150	17,700		7,440	8,770	6,990	7,110	7,720	9,490	7,280
22	6,580	6,970	7,210	16,700		7,970	7,440	7,550	7,190	7,040	9,080	7,290
23	6,330	6,980	7,370	17,200		8,140	7,240	7,460	7,120	6,580	9,580	7,230
24	6,450	6,700	6,990	18,000		8,010	7,530	10,700	6,690	6,680	8,810	6,770
25	6,450	6,660	6,480	18,400		7,310	7,700	13,200	6,440	7,060	7,390	6,760
26	6,490	6,620	6,650	18,800		7,290	7,890	11,700	6,630	7,190	6,950	7,030
27	6,560	6,550	7,060	18,800	20,000	7,730	7,440	10,600	7,330	7,150	6,760	7,040
28	6,590	6,760	7,340	18,900	20,000	7,510	7,470	11,200	6,800	7,290	8,610	7,030
29	6,620	6,940	7,280	18,800	------	7,540	7,300	12,300	7,040	6,920	9,140	7,080
30	6,640	6,820	7,330	18,800	------	8,660	6,590	11,400	7,140	6,810	7,170	7,020
31	6,610	------	7,050	18,900	------	9,700	------	8,860	------	7,410	7,000	------
TOTAL	207,530	200,770	261,560	525,850		295,680		251,710	217,310	226,160	259,280	226,660
MEAN	6,695	6,692	8,437	16,960		9,538		8,120	7,244	7,295	8,364	7,555
MAX	7,600	6,980	14,800	19,100		19,900		13,200	9,560	9,150	11,100	9,910
MIN	6,330	6,480	6,480	7,160		6,840		6,610	6,440	6,450	6,760	6,720

02198500 SAVANNAH RIVER NEAR CLYO, GA.

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C), Ga.-S.C. State line, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi (4.8 km) north of Clyo, and at mile 65.0 (104.6 km).

DRAINAGE AREA.--9,850 mi² (25,510 km²), approximately.

PERIOD OF RECORD.--October 1929 to September 1933, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft (4.087 m) above mean sea level. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft (1.219 m) higher. Jan. 31, 1933, to June 12, 1945, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--41 years, 11,920 ft³/s (338 m³/s), 16.43 in/yr (417 mm/yr).

EXTREMES.--Current year: Maximum discharge, 33,000 ft³/s (935 m³/s) Mar. 1, gage height, 15.78 ft (4.810 m); minimum daily, 7,450 ft³/s (211 m³/s) Sept. 5.

Period of record: Maximum discharge, 270,000 ft³/s (7,950 m³/s) Oct. 6, 1929, gage height, 29.7 ft (9.05 m), present datum (from information by Corps of Engineers), from rating curve extended above 120,000 ft³/s (3,400 m³/s); minimum daily, 1,950 ft³/s (55.2 m³/s) Sept. 27, 1931.

REMARKS.--Records good, except period of no gage-height record which is fair. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500), and by other powerplants above station. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1112: 1940.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,260	8,060	8,500	10,000	22,800	32,800	11,800	9,030	13,100	7,980	7,810	8,420
2	9,000	8,060	8,500	9,810	23,000	32,400	12,200	8,570	12,400	7,950	8,080	8,110
3	9,000	8,000	8,500	11,000	23,200	31,500	11,800	8,550	11,100	7,660	7,960	8,110
4	9,000	8,060	8,540	11,300	23,100	30,600	11,100	8,930	9,960	7,660	7,800	7,790
5	9,060	8,000	8,480	12,000	22,800	29,700	11,400	8,870	9,040	7,930	7,910	7,450
6	9,260	8,120	8,300	13,000	22,600	28,800	12,000	8,760	8,430	8,260	8,570	7,620
7	9,000	8,000	8,000	13,600	22,700	27,500	12,600	8,800	8,300	8,630	9,100	8,160
8	9,000	7,940	8,540	15,000	22,800	25,800	13,400	8,680	8,320	8,970	9,440	8,760
9	8,600	7,500	9,000	16,000	23,100	23,600	14,200	8,510	8,400	8,770	9,920	9,310
10	8,360	8,000	10,000	16,000	23,500	21,200	15,100	8,630	8,790	8,520	10,400	9,420
11	8,500	8,000	10,500	16,800	24,000	18,700	15,900	8,610	8,980	8,390	11,100	9,110
12	8,000	8,500	11,000	18,900	24,700	16,300	16,800	8,580	8,540	8,800	11,600	8,970
13	8,000	8,500	11,400	19,000	25,600	14,100	18,200	8,630	8,100	9,460	11,600	9,330
14	8,110	8,000	12,400	18,900	26,300	12,200	20,500	8,750	8,150	9,910	10,500	10,000
15	8,360	8,110	13,100	19,200	27,000	11,100	23,300	8,630	8,890	9,960	10,300	10,700
16	8,000	8,320	13,800	19,600	28,000	11,000	25,800	8,320	9,820	9,310	11,600	10,900
17	8,140	8,500	14,300	19,800	28,700	11,500	27,700	8,290	10,300	8,290	12,300	10,200
18	8,000	8,500	14,700	20,100	28,900	11,700	28,500	8,490	10,000	7,610	12,500	9,360
19	7,720	8,500	14,500	20,200	29,100	11,200	28,000	8,570	8,950	7,590	12,400	8,860
20	7,700	8,500	13,400	20,300	29,400	10,400	26,600	8,720	8,040	7,840	11,300	8,720
21	8,000	8,280	12,000	20,600	29,600	10,100	24,900	9,090	7,920	8,080	9,510	8,480
22	7,880	8,180	11,100	20,900	30,200	10,300	23,100	9,190	8,150	8,330	9,600	8,420
23	8,050	8,220	10,200	21,300	31,000	10,500	21,600	9,270	8,370	8,420	10,100	8,390
24	8,060	8,500	9,720	21,700	31,900	10,800	19,500	9,400	8,470	7,970	10,300	8,240
25	8,000	8,560	9,580	22,000	32,500	11,000	16,300	9,660	8,260	7,630	10,400	7,980
26	7,800	8,000	9,240	22,200	32,700	11,100	13,300	10,900	7,810	7,610	9,990	7,620
27	7,580	8,300	8,930	22,100	32,700	11,100	11,500	12,000	7,560	7,900	8,930	7,710
28	8,000	8,500	9,000	22,000	32,900	11,200	10,500	12,600	7,810	8,050	8,120	7,980
29	7,880	8,300	9,240	22,000	------	11,400	9,850	12,800	8,140	8,150	7,910	8,000
30	8,000	8,000	9,630	22,300	------	11,400	9,500	12,900	7,930	8,240	9,040	8,000
31	8,060	------	10,000	22,500	------	11,400	------	13,000	------	7,990	9,360	------
TOTAL	257,380	246,010	324,100	560,110	754,800	532,400	516,950	293,730	268,030	257,860	305,450	260,120
MEAN	8,303	8,200	10,450	18,070	26,960	17,170	17,230	9,475	8,934	8,318	9,853	8,671
MAX	9,260	8,560	14,700	22,500	32,900	32,800	28,500	13,000	13,100	9,960	12,500	10,900
MIN	7,580	7,500	8,000	9,810	22,600	10,100	9,500	8,290	7,560	7,590	7,800	7,450

CAL YR 1973 TOTAL 6,330,500 MEAN 17,340 MAX 44,400 MIN 7,500
WTR YR 1974 TOTAL 4,576,940 MEAN 12,540 MAX 32,900 MIN 7,450

Note: No gage-height record Oct. 1 to Dec. 13.

PEE DEE RIVER BASIN

02130908 LAKE ROBINSON.--Lat 34°23'50", long 80°09'00", Darlington County, at plant intake structure on Black Creek, 2.3 mi (3.7 km) upstream from Beaverdam Creek, and 4.7 mi (7.6 km) west of Hartsville. Drainage area, 173 mi² (448 km²). Records available November 1960 to current year.

Lake used for cooling water at the Robinson Steam-Electric Generating Plant of Carolina Power and Light Co. Put in operation 1960. Records furnished by Carolina Power & Light Co.

SANTEE RIVER BASIN

02145900 LAKE WYLIE.--Lat 35°01'15", long 81°00'30", York County, at powerplant on Catawba River, 2.0 mi (3.2 km) upstream from Big Dutchman Creek, 3.5 mi (5.6 km) upstream from U.S. Highway 21, 3.5 mi (5.6 km) northwest of Fort Mill, and at mile 138.5 (222.8 km). Drainage area, 3,020 mi² (7,820 km²), approximately. Records available October 1960 to current year. Records of stage August 1925 to September 1960 collected by Duke Power Company. Gage, float gage and indicator in powerhouse. Datum of gage is 469.4 ft (143.07 m) above mean sea level (levels by Duke Power Co.).

Lake, used for hydroelectric power development, was first put in operation August 1925. Usable capacity, 2,520,500,000 ft³ (71,381,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage, 4,022,000,000 ft³ (113,900,000 m³). Records furnished by Duke Power Co.

02147300 FISHING CREEK RESERVOIR.--Lat 34°36'00", long 80°53'34", Chester County, at Fishing Creek dam, 0.25 mi (0.40 km) upstream from State Highway 97, 0.5 mi (0.8 km) upstream from Fishing Creek, 2.5 mi (4.0 km) north of Great Falls, and at mile 100.5 (161.7 km). Drainage area 3,810 mi² (9,870 km²), approximately. Records available October 1960 to current year. Records of stage November 1916 to September 1960 collected by Duke Power Co. Gage, float gage and indicator in powerhouse. Datum of gage is 317.2 ft (96.68 m) above mean sea level (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was first put in operation November 1916. Usable capacity 667,000,000 ft³ (18,900,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 963,100,000 ft³ (27,270,000 m³). Records furnished by Duke Power Co.

02147800 WATEREE RESERVOIR.--Lat 34°20'15", long 80°42'10", Kershaw County, at Wateree Reservoir dam, 0.8 mi (1.3 km) upstream from Graungs Quarter Creek, 8.75 mi (14.1 km) northwest of Camden, and at mile 73.5 (118.3 km). Drainage area 4,750 mi² (12,300 km²), approximately. Records available October 1960 to current year. Records of stage October 1919 to September 1960 collected by Duke Power Co. Gage, float gage and indicator in powerhouse. Datum of gage is 125.5 ft (38.25 m) above mean sea level (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was put in operation in 1917. Usable capacity 2,794,000,000 ft³ (79,130,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 4,831,600,000 ft³ (136,830,000 m³). Records furnished by Duke Power Co.

MONTH-END GAGE HEIGHTS OR ELEVATIONS, AND CONTENTS, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

Date	Elevation (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)
	Lake Robinson			Lake Wylie			Fishing Creek Reservoir			Wateree Reservoir		
Sept. 30	220.6	1,310	-	95.2	7,962	-	97.5	1,280	-	96.9	5,847	-
Oct. 31	220.5	1,300	-3.7	95.5	8,104	+53	97.4	1,267	-5	96.2	5,466	-142
Nov. 30	220.7	1,320	+7.7	96.1	8,391	+111	95.8	1,061	-79	96.6	5,683	+84
Dec. 31	221.9	1,339	+7.1	97.9	9,284	+333	96.2	1,111	+19	96.3	5,520	-61
CAL YR 1973			-1.6			+14			-4			-32
Jan. 31	221.5	1,400	+22.8	99.5	10,119	+312	98.6	1,430	+119	95.7	5,199	-120
Feb. 28	221.1	1,359	-16.9	96.2	8,437	-695	97.8	1,320	-45	96.1	5,413	+88
Mar. 31	221.1	1,359	0	99.1	9,907	+549	96.5	1,149	-64	96.2	5,466	+20
Apr. 30	220.7	1,320	-15.0	98.3	9,489	-161	94.5	904	-95	97.4	6,124	+254
May 31	221.1	1,359	+14.6	97.7	9,183	-114	94.9	951	+18	97.2	6,012	-42
June 30	220.5	1,300	-22.8	97.2	8,931	-97	94.1	857	-36	96.7	5,738	-106
July 31	220.8	1,329	+10.8	96.0	8,343	-220	97.7	1,307	+168	96.6	5,683	-21
Aug. 31	220.8	1,329	0	97.2	8,931	+220	97.5	1,280	-10	96.5	5,629	-20
Sept. 31	220.8	1,329	0	96.4	8,536	-152	96.5	1,149	-51	95.5	5,094	-206
WTR YR 1974			+0.6			+18			-4			-24

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1974, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Probable date	Gage height (feet)	Discharge (cfs)
		Pee Dee River basin					
02131110	Jefferies Creek above Florence, S.C.	Lat 34°10'40", long 79°48'34", on upstream side of bridge on County Road 29, 2.6 miles southwest of Florence, and 5.0 miles upstream from confluence with Middle Swamp.	30.1	1968-74	8-5-74	7.04	776
02131500	Lynches River near Bishopville, S.C.	Lat 34°15'00", long 80°12'50", Lee County, near center of span on downstream side of bridge on U.S. Highway 15, 1.0 mile upstream from Seaboard Coast Line Railroad bridge, 2.9 miles northeast of Bishopville, 3.0 miles downstream from Bells Branch, and at mile 89.5.	675	1942-71‡ 1972-74	4-10-74	13.80	4,600
02131990	Carter Creek at Effingham, S.C.	Lat 34°03'51", long 79°46'03", Florence County on upstream side of culvert on U.S. Highway 301, 0.8 mile northwest of Effingham, and 0.9 mile upstream from Lynches River.	8.28	1974	8-13-74	6.43	396
02132500	Little Pee Dee River near Dillon, S.C.	Lat 34°24'17", long 79°20'25", Dillon County, near center of span on downstream side of bridge on State Highway 9, 1.9 miles southeast of Dillon, 3.9 miles (revised) upstream from Maple Swamp, and at mile 88.3.	524	1939-71‡ 1972-74	8-12-74	9.90	2,560
02135620	Belt Branch near Manning, S.C.	Lat 33°41'54", long 80°13'50", Clarendon County, on downstream side of culvert on S.C. Highway 261, 1.1 miles west of Manning, and 2.5 miles upstream from Pocotaligo Swamp.	0.83	1974	6-14-74	4.74	19.4
		Santee River basin					
02153500	Broad River at Gaffney, S.C.	Lat 35°05'20", long 81°34'20", Cherokee County, on right bank at downstream side of bridge on U.S. Highway 29, 0.3 mile upstream from Cherokee Creek, 4.4 miles downstream from Gaston Shoals Dam, 4.5 miles east of Gaffney, and at mile 270.3.	1490	1938-71‡ 1972-74	4-5-74	11.91	34,400
02156000	Pacolet River near Clifton, S.C.	Lat 34°58'10", long 81°48'05", Spartanburg County, on left bank 1.0 mile (revised) downstream from dam at Clifton Mill, 1.3 miles southeast of Clifton, 2.7 miles upstream from Lawsons Fork Creek, 2.7 miles northeast of Glendale, and at mile 28.2.	320	1939-71‡ 1972-74	4-5-74	8.75	7,400
02156300	Lawsons Fork Creek at Spartanburg, S.C.	Lat 34°56'53", long 81°52'08", on downstream side of bridge on secondary road, 0.8 mile east of Spartanburg, S.C.	6.52	1966-70‡ 1970-74	1-1-74	11.63	2,060
02157500	Middle Tyger River at Lyman, S.C.	Lat 34°56'35", long 82°08'00", on left bank 200 ft upstream from bridge on State Highway 292 at Lyman, S.C.	68.3	1937-68‡ 1970-74	1-1-74	7.56	1,970
02158000	North Tyger River near Moore, S.C.	Lat 34°48'10", long 81°57'57", on right bank at Ott Shoals, 2.6 miles southeast of Moore, S.C.	162	1933-68‡ 1970-74	1-1-74	3.50	1,950
02158500	South Tyger River near Reidville, S.C.	Lat 34°52'35", long 82°05'10", on left bank 0.4 mile upstream from bridge on State Highway 296, 1.8 miles northeast of Reidville, S.C.	106	1934-68‡ 1970-74	1-1-74	5.55	1,580
02159000	South Tyger River near Woodruff, S.C.	Lat 34°45'21", long 81°56'19", Spartanburg County, on left bank at Chesnee Shoals, 0.5 mile upstream from confluence with North Tyger River, 5.75 miles east of Woodruff, and at mile 0.5.	174	1933-71‡ 1972-74	1-1-74	4.52	1,720

‡ Operated as a continuous-record gaging station.
† Discharge not determined.
* Discharge measurement.

Annual maximum discharge at crest-stage partial-record stations during water year 1974, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum Probable date	 Gage height (feet)	 Discharge (cfs)
		Santee River basin.--Continued					
02159600	Dutchman Creek near Pauline, S.C.	Lat 34°47'55", long 81°52'46", Spartanburg County, on downstream side of bridge on County Road 90, 75 feet downstream from Smith Creek and 2.2 miles southwest of Pauline.	8.97	1966-74	1-1-74	6.15	762
02160000	Fairforest Creek near Union, S.C.	Lat 34°40'45", long 81°41'25", Union County, on right bank at downstream side of bridge on State Highway 49, 0.3 mile downstream from Buffalo Creek, 4.3 miles southwest of Union, and at mile 7.5	183	1940-71‡ 1972-74	1-1-74	5.75	3,400
02160130	Enoree River near Travelers Rest, S.C.	Lat 34°59'21", long 82°25'15", Greenville County, on upstream side of culvert on U.S. Highway 25, 0.6 mile upstream from North Enoree River and 2.0 miles northeast of Travelers Rest.	5.37	1974	8-5-74	4.08	126
02162095	Smith Branch at Columbia, S.C.	Lat 34°01'49", long 81°02'57", on left downstream wingwall of culvert on Sunset Drive at Columbia, S.C.	6.14	1968-74	7-17-74	-	514*
02163000	Saluda River near Pelzer, S.C.	Lat 34°40'05", long 82°27'55", Anderson County on right bank 0.4 mile downstream from Hurricane Creek, 1.9 miles north of Pelzer, and at mile 114.2.	405	1929-71‡ 1972-74	4-5-74	5.10	4,500
0216400	Reedy River near Greenville, S.C.	Lat 34°48'00", long 82°21'55", Greenville County, on right bank 375 ft downstream from bridge on Interstate Highway 85, 0.5 mile upstream from Brushy Creek, 2.5 miles upstream from dam at Conestee, 3.9 miles southeast of city hall in Greenville, and at mile 48.5.	48.6	1941-71‡ 1972-74	1-16-74	6.88	2,140
02167725	Horse Creek near Gilbert, S.C.	Lat 33°57'55", long 81°26'32", Lexington County, on upstream side of culvert on County Road 54, 3.0 miles above Little Horse Creek and 4.0 miles northwest of Gilbert.	4.78	1974	1-1-74	3.63	113
02167750	Camping Creek Trib near Prosperity, S.C.	Lat 34°12'35", long 81°30'08", Newberry County, on upstream side of culvert on County Road 437, 0.35 mile above Camping Creek, and 1.8 miles east of Prosperity.	0.52	1974	4-4-74	3.46	16.3
02169540	Savanna Branch near Cayce, S.C.	Lat 33°55'47", long 81°07'05", Lexington County, on upstream side of culvert on S.C. Highway 215, 0.75 miles upstream from Congaree Creek and 3.9 miles southwest of Cayce.	7.15	1974	1-1-74	2.99	122
02169560	Gills Creek at Boyden Arbor Road at Ft. Jackson, S.C.	Lat 34°02'25", long 80°55'40", at downstream side of bridge on Boyden Arbor Road.	19.3	1970-71 1972-74	4-5-74	1.45	†
		Edisto River basin					
02172500	South Fork Edisto River near Montmorenci, S.C.	Lat 33°34'35", long 81°30'50", near center of span on downstream side of bridge on State Highway 215, 0.4 mile upstream from Cedar Creek, 1 mile upstream from Shaw Creek, 7.6 miles northeast of Montmorenci, Aiken County, and at mile 167.3.	198	1939-66‡ 1967-74	1-3-74	7.13	948
02-173000	South Fork Edisto River near Denmark, S.C.	Lat 33°23'35", long 81°08'00", Orangeburg County, on left bank at downstream side of bridge on U.S. Highway 321, 360 ft downstream from Seaboard Coast Line Railroad bridge, 1.8 miles downstream from Little River, 4.8 miles north of Denmark, and at mile 136.6.	720	1931-71‡ 1972-74	2-19-74	7.36	2,130
02173250	Ritter Branch near Perry, S.C.	Lat 33°38'10", long 81°16'04", Aiken County, on downstream side of culvert on County Road 14, 0.3 mile upstream from Hollow Creek, and 2.6 miles southeast of Perry.	2.22	1974	6-20-74	2.91	†

‡ Operated as a continuous-record gaging station.
† Discharge not determined.
* Discharge measurement.

Annual maximum discharge at crest-stage partial-record stations during water year 1974, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum Probable date	 Gage height (feet)	 Discharge (cfs)
		Combahee River basin					
02175300	Turkey Creek near Barnwell, S.C.	Lat 33°17'05", long 81°21'46", Barnwell County, on downstream side of highway bridge on County Road 168, 3 miles north of Barnwell, and 0.5 mile downstream from Long Branch.	22.8	1974	2-7-74	4.93	†
		Savannah River basin					
02188000	Rocky River near Calhoun Falls, S.C.	Lat 34°08'00", long 82°38'00", on right bank 2,000 ft upstream from Swanigan Mill bridge on county road, 3.25 miles northwest of Calhoun Falls, S.C.	267	1950-66‡ 1970-74	1-9-74	11.20	8,940
02-184100	Cleveland Creek near Fairplay, S.C.	Lat 34°31'32", long 82°59'29", Oconee County, on upstream side of culvert on S.C. Highway 59, 1.0 mile northwest of Fairplay, and 2.4 miles upstream from Beaver Dam Creek.	5.61	1974	8-6-74	6.49	†
02192500	Little River near Mount Carmel, S.C.	Lat 34°04'13", long 82°30'02", on right bank 480 ft downstream from Island Ford bridge, and 4.5 miles north of Mount Carmel, S.C.	217	1939-70‡ 1970-74	1-10-74	14.62	3,760

‡ Operated as a continuous-record gaging station.
† Discharge not determined.
* Discharge measurements.

PART 2. WATER QUALITY RECORDS

02131000 PEE DEE RIVER AT PEEDEE, S.C.

LOCATION.--Lat 34°12'15", long 79°32'55", Marion County, at gaging station in pier of bridge on U.S. Highway 76 at Peedee, 0.2 mi (0.3 km) downstream from Seaboard Coast Line Railroad bridge, 8.2 mi (13.2 km) downstream from Black Creek, and at mile 100.2 (161.2 km).

DRAINAGE AREA.--8,830 mi² (22,900 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1948 to September 1949, October 1961 to August 1974 (discontinued).
Water temperatures: February 1967 to September 1969, March to September 1972.
Sediment records: February 1967 to September 1972.

EXTREMES, 1967-72.--Specific conductance: Maximum daily, 140 micromhos Dec. 3, 1967; minimum daily, 52 micromhos July 16, 1968.
Water temperatures: Maximum daily, 32.0°C Aug. 8, 1968; minimum daily, 2.0°C Jan. 18, 1968.
Sediment concentrations: Maximum daily, 294 mg/l Aug. 12, 1970; minimum daily, 8 mg/l Oct. 20, 1970.
Sediment loads: Maximum daily, 13,900 tons Mar. 13, 1971; minimum daily, 43 tons Oct. 20, 1970.

CHEMICAL ANALYSES, OCTOBER 1973 TO AUGUST 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	FECAL COLIFORM (COL. PER 100 ML)	IMMEDIATE COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	DISSOLVED RA-226 (RADON METHOD) (PC/L)
OCT. 25...	1010	4920	18.5	8.6	7.2	90	68	--	--	.02
NOV. 28...	1105	4300	18.0	8.5	6.8	88	35	360	15*	.07
DEC. 19...	1205	8710	7.0	10.5	6.9	75	120	120	65	.04
JAN. 28...	0945	19000	11.5	10.0	6.9	73	280	--	210	.04
FEB. 26...	1245	21200	9.5	10.4	6.8	73	160	--	180	.02
MAR. 28...	1100	10400	13.0	9.7	7.0	85	110	--	--	.04
APR. 18...	0920	19100	--	--	--	--	--	--	--	.04
MAY 30...	1010	14500	24.0	7.7	6.9	65	430	--	--	.03
AUG. 15...	1780	15200	--	--	--	--	--	--	--	.05

DATE	DISSOLVED URANIUM (U) (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS ALPHA AS U-NAT. (UG/L)	SUSPENDED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)
OCT. 25...	.02	<.6	2.7	3.4	1.6	2.8	1.4	57	38
NOV. 28...	.03	<.5	2.6	3.3	1.5	2.0	1.3	62	44
DEC. 19...	.02	.5	2.6	3.2	.5	.9	.4	54	15
JAN. 28...	.02	.5	2.7	3.4	2.2	4.6	1.8	53	80
FEB. 26...	.04	1.9	3.2	4.1	1.9	1.7	1.7	55	45
MAR. 28...	.04	<.6	2.3	2.9	1.6	1.6	1.4	56	32
APR. 18...	.05	.8	3.1	3.9	1.5	2.6	1.3	54	36
MAY 30...	.05	<.5	2.7	3.4	2.8	4.4	2.4	53	44
AUG. 15...	.06	.9	3.1	3.9	1.6	1.1	1.4	62	27

*Value based on non-ideal colony count.

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C
(Hydrologic bench-mark station)

LOCATION.--Lat 34°09'02", long 80°18'18", Lee County, at gaging station at bridge on U.S. Highway 15, 0.1 mi (0.2 km) downstream from Beaverdam Creek, 0.9 mi (1.4 km) upstream from Seaboard Coast Line Railroad bridge, and 5.8 mi (9.3 km) southwest of Bishopville.

DRAINAGE AREA.--70 mi^2 (180 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1974.
Sediment records: October 1970 to September 1973 (periodic).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT.											
25...	0830	30	15.5	8.7	42	6.5	7	--	3.5	--	.45
NOV.											
28...	0945	50	17.0	8.3	26	5.8	8	0	20	.00	.00
DEC.											
19...	1015	198	2.5	11.7	31	4.9	3	0	60	.00	.00
JAN.											
28...	0808	86	15.0	7.7	25	5.5	3	0	15	.05	.04
FEB.											
26...	1050	147	5.0	11.8	26	5.7	5	0	16	.00	.01
MAR.											
28...	0935	112	12.5	9.1	33	4.7	8	0	.0	.75	.02
APR.											
18...	0745	167	14.5	--	24	5.1	3	0	34	.01	.01
MAY											
30...	0850	53	21.0	7.7	25	5.0	5	0	13	.11	.01
JULY											
02...	0820	11	23.0	7.9	22	6.3	4	0	3.2	.49	.01
25...	0950	23	23.0	8.4	25	6.0	5	0	8.0	.00	.01
AUG.											
21...	0730	94	22.0	5.6	22	5.6	2	--	8.0	.04	.02
SEP.											
24...	0800	58	16.0	8.4	26	5.4	2	0	13	.06	.02

DATE	ALKALINITY AS CACO3 (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT.										
25...	6	3.7	2.0	.0	9.8	3	0	.7	.4	.5
NOV.										
28...	7	5.3	1.7	.2	10	6	0	1.6	.6	.8
DEC.										
19...	2	3.8	6.1	.2	8.0	6	4	1.1	.9	1.5
JAN.										
28...	2	4.1	2.3	.1	1.9	12	9	3.2	.9	.5
FEB.										
26...	4	5.5	3.5	.0	1.4	4	0	1.0	.4	.5
MAR.										
28...	0	5.0	2.8	.0	2.6	4	4	1.0	.4	.4
APR.										
18...	2	3.7	4.0	.1	2.8	4	2	1.1	.4	.9
MAY										
30...	4	3.9	2.6	.2	7.5	10	6	2.9	.6	.4
JULY										
02...	3	4.0	3.4	.1	6.7	10	7	3.4	.4	.4
25...	4	3.2	5.2	1.5	8.6	9	5	2.7	.6	2.2
AUG.										
21...	2	4.5	4.0	.3	9.7	7	5	1.7	.6	.8
SEP.										
24...	2	3.2	3.0	.1	12	2	1	.2	.4	.6

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

CHEMICAL ANALYSES WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

DATE	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
OCT.										
25...	2.6	.6	58	--	24	1.94	.03	1000	57	--
NOV.										
28...	2.9	.5	46	37	27	4.99	.05	--	--	--
DEC.										
19...	2.3	.4	37	32	25	17.1	.04	400	120	400
JAN.										
28...	3.2	.4	36	34	18	7.89	.05	--	81	64
FEB.										
26...	2.7	.6	55	40	17	15.9	.05	--	35	20*
MAR.										
28...	2.8	.6	57	47	15	14.2	.06	--	67	--
APR.										
18...	3.1	.6	55	26	18	11.7	.04	--	--	--
MAY										
30...	.3	.0	6	30	21	4.29	.04	--	87	--
JULY										
02...	2.5	.3	34	40	23	1.24	.05	400*	190	180
25...	3.7	.5	40	24	30	1.49	.03	250	81	73
AUG.										
21...	2.5	.4	42	48	25	12.2	.07	400*	75	100
SEP.										
24...	2.8	.8	60	58	23	9.08	.08	--	280	--

DATE	TIME	CYANIDE (CN) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)
APR.							
18...	0745	.00	--	50	.0	7	--
JULY							
25...	0950	.00	1200	55	.2	1	0

DATE	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
APR.							
18...	--	0	--	--	6	--	4
JULY							
25...	0	30	1	5	5	0	90

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)
OCT.											
25...	0830	.00	.0	.00	2.0	.00	2.2	.00	5.0	.00	.0

*Values based on non-ideal colony count.

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

DATE	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)
OCT. 25...	.00	.0	.00	.0	.00	.0	.00	.0	.0	0

DATE	PCB (UG/L)	PCB IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	SILVEX (UG/L)	2,4,5-T (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 25...	.0	0	.00	.00	.00	.00	.00	.00	.00	10

DATE	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
OCT. 25...	.07	.01	1.1	.7	1.1	.7	1.4	.8	26	8

INSTANTANEOUS SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
OCT.					
25...	0830	15.5	30	16	1.3
NOV.					
28...	0945	17.0	50	10	1.4
DEC.					
19...	1015	2.5	198	11	5.9
JAN.					
28...	0800	15.0	86	8	1.9
FEB.					
26...	1050	5.0	147	6	2.4
MAR.					
28...	0935	12.5	112	6	1.8
APR.					
18...	0745	14.5	167	4	1.8
MAY					
30...	0850	21.0	53	9	1.3
JULY					
02...	0820	23.0	11	5	.16
25...	0950	23.0	23	7	.43
AUG.					
21...	0730	22.0	94	8	2.0
SEP.					
24...	0800	16.0	58	6	.94

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.

LOCATION.--Lat 34°59'06", long 80°58'27", York County, at gaging station on right bank at downstream side of bridge on U.S. Highway 21, 3.5 mi (5.6 km) downstream from Lake Wylie Dam, 5.0 mi (8.0 km) northeast of Rock Hill, 7.5 mi (12.1 km) upstream from Sugar Creek, and at mile 137.6 (221.4 km).

DRAINAGE AREA.--3,050 mi² (7900 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1962, October 1970 to June 1973, February to September 1974. Water temperatures: October 1957 to September 1962, October 1970 to June 1972.

EXTREMES, 1970-71.--Water temperatures: Maximum, 29.5°C July 28, Aug. 19, 1971; minimum, 3.5°C Feb. 14, 1971.

CHEMICAL ANALYSES, FEBRUARY TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
FEB.										
25...	0950	12600	10.0	10.6	72	6.9	11	--	66	.09
MAR.										
19...	0900	6910	14.0	10.2	74	6.8	10	--	58	.08
27...	0845	11800	13.0	9.5	75	6.9	10	450	42	.06
APR.										
09...	0925	15800	15.0	8.7	72	6.9	9.3	2300	17	.02
23...	0900	6080	17.0	8.4	66	6.8	9.6	1300	64	.09
MAY										
07...	1000	12000	19.5	8.6	61	7.0	9.2	370	38	.05
28...	1107	4080	22.5	7.8	68	7.1	8.3	320	54	.07
JUNE										
11...	0845	5300	22.5	6.5	73	6.7	9.9	280	53	.07
25...	0925	894	25.0	7.0	74	6.8	9.7	190	74	.10
JULY										
09...	0925	8620	26.5	6.8	82	6.8	10	590	48	.07
24...	1030	880	26.0	6.5	74	6.8	9.4	230	78	.11
AUG.										
07...	0930	1000	26.0	5.3	74	6.6	10	330	94	.13
20...	0820	9440	26.5	6.5	65	6.8	9.8	500	92	.13
SEP.										
04...	0940	946	25.5	5.1	50	6.7	7.4	220	74	.10
17...	0945	10400	24.0	6.2	70	7.0	9.5	4600	68	.09

DATE	TOTAL NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	CHLOROPHYLL C (UG/L)	TOTAL CHLOROPHYLL (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
FEB.									
25...	.52	.40	2.3	.09	--	--	--	--	15 *
MAR.									
19...	.61	--	2.7	.03	3.1	.6	--	--	4 *
27...	.56	.24	2.5	.03	--	--	--	--	14 *
APR.									
09...	.63	.18	2.8	.07	13	26	--	--	190
23...	.57	.19	2.5	.05	13	26	--	--	12 *
MAY									
07...	--	--	--	.01	--	--	--	--	6 *
28...	.23	.03	1.0	.03	19	16	--	--	5 *
JUNE									
11...	--	--	--	.02	26	48	--	--	4 *
25...	--	--	--	.01	31	48	--	--	2 *
JULY									
09...	--	--	--	.01	4.6	180	--	--	--
24...	--	--	--	.02	11	24	--	--	16 *
AUG.									
07...	.80	.49	3.5	.03	17	30	--	--	--
20...	.47	.26	2.1	.04	12	11	--	--	6 *
SEP.									
04...	.48	.20	2.1	.03	18	30	--	--	46
17...	.49	.34	2.2	.09	.0	.0	.1	.2	>1000

*Value based on non-ideal colony count.

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.--Continued

CHEMICAL ANALYSES, FEBRUARY TO SEPTEMBER 1974--Continued

DATE	TUR-BID-ITY (JTU)	TUR-BID-ITY (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
FEB.									
25...	60	40	5	3	2.3	1	.45	.05	.07
MAR.									
19...	10	7	4	8	2.0	0	.32	>.00	.29
27...	3	9	5	6	--	5	.28	.04	.28
APR.									
09...	60	30	32	10	8.5	1	.28	.10	.35
23...	30	20	5	7	15	2	.24	.05	.33
MAY									
07...	--	9	5	5	31	2	--	.01	.19
28...	6	12	9	7	35	3	.07	.04	.16
JUNE									
11...	3	7	12	7	2.0	2	--	.00	.31
25...	6	7	4	9	58	0	--	.00	.31
JULY									
09...	10	12	11	7	27	2	--	.00	.28
24...	9	7	6	5	2.9	1	--	.01	.43
AUG.									
07...	6	8	2	10	2.6	1	.62	.13	.18
20...	9	17	12	7	15	1	.37	.11	.10
SEP.									
04...	3	4	2	8	3.3	0	.31	.11	.17
17...	50	60	75	11	4.9	0	.39	.05	.10

DATE	TIME	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	TOTAL CAL-CIUM (CA) (MG/L)	TOTAL MAG-NE-SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO-TAS-SIUM (K) (MG/L)
JUNE									
11...	0845	15	0	8.1	9.1	4.8	1.5	7.1	1.7
AUG.									
20...	0820	19	0	6.5	11	--	--	--	--

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL ZINC (ZN) (UG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)
JUNE								
11...	.2	2	0	0	1	20	4.8	12
AUG.								
20...	.2	1	1	10	0	0	4.8	16

02147000 CATAWBA RIVER NEAR CATAWBA, S.C.

LOCATION.--Lat 34°51'09", long 80°52'06", York County, at bridge on State Highway 5, 200 ft (61 m) upstream from Twelvemile Creek, 0.1 mi (0.2 km) upstream from gaging station and Seaboard Coast Line Railroad bridge, 2.4 mi (3.9 km) east of Catawba, and at mile 122.8 (197.6 km).

DRAINAGE AREA.--3,530 mi² (9140 km²), approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973, February to September 1974.

CHEMICAL ANALYSES, FEBRUARY TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
FEB.										
25...	0905	8950	9.5	10.6	76	7.0	10	--	76	.10
MAR.										
19...	0815	1390	13.5	10.1	93	7.0	11	--	65	.09
27...	0810	2330	12.5	9.6	86	7.0	10	450	59	.08
APR.										
09...	0830	13700	14.5	8.7	79	6.9	9.9	2500	67	.09
23...	0815	1970	17.0	8.5	76	6.9	10	990	65	.09
MAY										
07...	0900	1660	18.0	8.8	76	7.0	9.6	310	36	.05
28...	1012	1570	23.0	7.3	87	7.0	8.2	950	54	.07
JUNE										
11...	0800	1380	24.0	7.2	80	7.0	9.2	190	61	.08
25...	0830	1170	23.0	7.5	85	6.9	8.6	280	82	.11
JULY										
09...	0830	2260	26.0	7.5	91	7.0	10	1100	72	.10
24...	0930	903	25.0	7.8	100	7.0	5.6	240	124	.17
AUG.										
07...	0830	2230	26.0	6.2	81	6.7	10	1100	102	.14
20...	0740	2180	25.5	6.9	75	7.0	9.8	510	94	.13
SEP.										
04...	0850	1270	25.5	6.1	62	6.9	8.5	300	100	.14
17...	0900	2080	23.5	6.9	80	7.0	10	4000	62	.08

DATE	TURBIDITY (JTU)	TURBIDITY (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
FEB.									
25...	20	40	4	2	3.1	0	.46	.04	.13
MAR.									
19...	10	6	5	9	--	1	.66	.16	.42
27...	2	7	4	9	--	2	.23	.05	.31
APR.									
09...	60	30	56	12	4.1	1	.24	.06	.42
23...	30	20	3	8	8.2	3	.32	.05	.39
MAY									
07...	5	7	14	8	32	0	.12	.03	.26
28...	200	20	28	11	6.2	2	--	.00	.43
JUNE									
11...	2	5	5	5	2.6	2	--	.00	.30
25...	7	7	25	5	72	0	--	.00	.44
JULY									
09...	20	17	23	7	25	2	--	.00	.37
24...	5	5	5	9	3.2	0	--	.01	.82
AUG.									
07...	20	15	35	10	2.9	1	.76	.11	.27
20...	20	12	10	7	9.2	1	.30	.05	.28
SEP.									
04...	7	4	4	9	5.7	0	.30	.09	.27
17...	50	60	140	12	7.0	0	.59	.12	.33

0214700 CATAWBA RIVER NEAR CATAWBA, S.C.--Continued

CHEMICAL ANALYSES, FEBRUARY TO SEPTEMBER 1974--Continued

DATE	TOTAL NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	CHLORO-PHYLL C (UG/L)	TOTAL CHLORO-PHYLL (UG/L)	FECAL COLI-FORM (COL. PER 100 ML)
FEB.									
25...	.59	.42	2.6	.05	--	--	--	--	350
MAR.									
19...	1.1	.50	4.8	.11	7.0	10	--	--	330
27...	.54	.18	2.4	.08	--	--	--	--	540
APR.									
09...	.66	.18	2.9	.10	10	19	--	--	1000
23...	.71	.27	3.1	.09	10	19	--	--	38*
MAY									
07...	.38	.09	1.7	.06	--	--	--	--	300
28...	--	--	--	.11	15	25	--	--	440
JUNE									
11...	--	--	--	.09	48	74	--	--	28*
25...	--	--	--	.10	35	64	--	--	50
JULY									
09...	--	--	--	.05	28	50	--	--	>1000
24...	--	--	--	.35	11	28	--	--	160
AUG.									
07...	1.0	.65	4.6	.09	20	31	--	--	37
20...	.58	.25	2.6	.10	10	15	--	--	52
SEP.									
04...	.57	.21	2.5	.09	5.5	8.6	--	--	19*
17...	.92	.47	4.1	.15	.0	.0	.2	.2	>1000

DATE	TIME	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	TOTAL CAL-CIUM (CA) (MG/L)	TOTAL MAG-NE-SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO-TAS-SIUM (K) (MG/L)
JUNE									
11...	0800	4	0	9.7	11	4.3	1.9	8.5	1.8
AUG.									
20...	0740	22	0	7.1	14	--	--	--	--

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL ZINC (ZN) (UG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)
JUNE								
11...	.1	0	0	0	1	40	.6	3
AUG.								
20...	.1	1	1	<10	0	0	3.5	18

*Value based on non-ideal colony count.

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

LOCATION.--Lat 33°50'19", long 80°37'25", Richland County, at gaging station on right bank, 2.4 mi (3.9 km) upstream from Southern Railway bridge 2.5 mi (4.0 km) northeast of Wateree, 5.0 mi (8.0 km) southeast of Eastover, and at mile 12.0 (19.3 km).

DRAINAGE AREA.--5,590 mi² (14,480 km²).

PERIOD OF RECORD.--Chemical analyses: October 1970 to current year.
Water temperature: October 1970 to current year.

EXTREMES, CURRENT YEAR.--Specific conductance: Maximum 154 micromhos Dec. 30; minimum 71 micromhos May 29.
Dissolved oxygen: Maximum 10.8 mg/l Dec. 24; minimum 4.6 mg/l Aug. 15.
Temperature: Maximum 30.5°C Aug. 1 and 2; minimum 8.5°C Dec. 23 and 24.
pH: Maximum 7.0 units Dec. 21, June 23, July 30 and 31 and Aug. 1 and 2; minimum 6.1 units Feb. 21, March 6 and June 27 and 29.

Period of record: Specific conductance: Maximum 159 micromhos Oct. 23, 1971; minimum 46 micromhos April 9, 1973.
Dissolved oxygen: Maximum 11.0 mg/l Feb. 23, 24, 1973; minimum 4.6 mg/l Aug. 15, 1974.
Temperature: Maximum 30.5°C July 30, Aug. 11, 1973, Aug. 1 and 2, 1974; minimum 7.0°C Jan. 14, 15, 1973.
pH: Maximum 7.0 units on several days; minimum 6.0 units April 14, 19, 24, June 19, 20, July 6, 1973.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	105	103	104	101	97	98	133	129	131	143	132	138
2	112	100	102	100	98	99	130	122	127	135	112	128
3	103	100	102	102	96	99	123	119	121	132	129	130
4	104	101	102	99	95	97	129	117	119	129	125	128
5	105	103	104	101	95	97	134	123	128	126	124	125
6	105	102	103	107	92	97	131	127	130	127	124	126
7	102	95	101	112	101	103	137	130	133	124	120	122
8	100	95	98	104	100	102	133	129	132	120	115	118
9	109	96	102	104	101	103	135	130	132	115	109	112
10	106	105	105	104	99	101	133	125	131	108	106	107
11	105	101	104	105	100	102	125	110	119	108	102	104
12	102	97	100	105	101	103	135	120	132	105	102	104
13	104	97	100	104	95	101	138	134	136	106	103	104
14	102	97	101	107	102	103	137	134	135	105	100	102
15	103	98	101	106	102	105	139	133	137	104	101	102
16	110	95	104	110	103	106	141	134	136	104	100	102
17	108	99	102	105	97	103	142	133	140	101	95	100
18	103	90	100	107	93	101	138	130	135	101	96	99
19	103	100	101	107	95	103	140	134	137	102	101	101
20	106	96	101	103	96	101	148	141	143	102	98	100
21	106	100	102	113	97	104	151	144	146	98	95	97
22	101	99	100	121	107	117	152	149	151	100	93	95
23	101	98	100	124	119	122	150	132	141	102	99	100
24	114	100	106	121	114	117	135	130	132	102	101	101
25	112	99	103	118	116	117	129	117	123	101	100	101
26	114	100	104	121	118	120	142	109	127	101	98	100
27	102	100	101	119	113	115	149	139	147	102	98	99
28	102	88	99	128	120	123	151	145	148	102	95	99
29	99	88	97	127	123	125	153	149	150	101	95	98
30	100	94	96	139	126	133	154	148	151	100	96	98
31	112	96	102	---	---	---	152	140	146	97	96	96
MONTH	114	88	102	139	92	107	154	109	135	143	93	108

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	97	96	96	86	83	85	102	99	100	88	86	87
2	97	95	96	86	84	85	---	---	---	87	85	86
3	95	91	93	86	84	85	---	---	---	87	84	86
4	97	92	94	86	84	85	---	---	---	87	86	87
5	98	96	97	89	84	86	112	110	17	87	84	86
6	95	90	94	90	89	89	110	105	107	87	84	85
7	90	87	88	90	87	88	107	105	106	88	83	86
8	90	88	89	90	87	89	106	105	105	88	87	88
9	90	88	90	90	88	89	105	101	103	89	87	88
10	89	87	88	89	86	88	101	96	98	91	89	90
11	90	88	89	88	86	87	96	95	96	91	89	90
12	92	87	89	92	86	89	95	92	93	90	88	89
13	90	86	89	91	89	90	92	88	90	91	88	90
14	66	83	85	89	88	89	88	84	86	90	85	88
15	86	82	84	88	86	88	84	73	81	90	88	89
16	86	81	83	88	85	87	81	78	80	92	88	90
17	82	77	80	86	84	85	83	81	82	96	92	94
18	76	72	74	89	83	87	84	82	83	98	96	97
19	80	75	77	89	87	88	84	83	84	98	93	96
20	80	76	78	90	87	89	86	84	85	94	90	91
21	76	73	74	93	88	91	86	84	85	100	92	95
22	84	73	81	94	91	92	85	83	84	100	97	99
23	87	83	85	95	92	93	88	85	86	102	99	101
24	85	82	84	95	92	93	88	86	87	103	101	102
25	85	79	81	92	88	89	87	85	86	103	98	100
26	85	82	84	98	87	91	85	84	85	100	97	99
27	86	82	84	98	92	95	86	84	85	98	96	97
28	84	80	82	97	93	94	85	83	84	99	94	96
29	---	---	---	97	91	95	87	85	86	87	71	81
30	---	---	---	102	90	95	96	87	90	99	88	93
31	---	---	---	102	99	101	---	---	---	101	98	100
MONTH	98	72	86	102	83	90	112	73	87	103	71	92

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	101	98	100	100	97	98	121	103	110	117	115	116
2	100	97	98	100	99	99	118	101	116	116	111	113
3	98	96	97	101	99	100	118	101	110	110	102	106
4	105	92	97	101	99	100	113	99	103	116	99	113
5	98	96	97	102	101	101	117	104	111	118	112	116
6	100	97	99	105	102	103	107	93	100	112	92	104
7	100	97	98	112	102	108	96	77	86	113	99	111
8	98	97	98	110	107	109	99	93	96	114	111	112
9	99	97	98	112	105	108	101	93	98	111	104	107
10	102	97	99	112	107	110	115	102	109	107	102	104
11	104	98	100	113	108	110	115	113	114	107	105	106
12	100	98	99	113	108	110	114	100	107	106	103	104
13	100	95	97	109	107	108	111	96	101	106	104	105
14	111	96	99	113	106	110	113	111	112	107	101	104
15	113	95	98	115	113	114	110	105	106	106	104	105
16	96	93	95	121	114	117	112	107	109	103	100	101
17	98	96	97	122	120	121	112	101	107	102	91	98
18	98	96	97	126	120	122	102	99	101	106	102	105
19	114	96	101	130	126	127	98	89	93	106	105	106
20	123	97	105	129	125	127	100	91	104	106	103	104
21	102	97	98	127	122	125	118	100	114	106	104	105
22	103	98	99	127	121	123	118	116	117	105	101	103
23	104	99	100	120	111	117	117	116	116	101	99	101
24	100	97	98	120	112	117	117	115	116	101	99	100
25	98	96	97	115	112	114	116	114	115	102	96	100
26	102	95	98	112	111	111	118	115	117	103	101	102
27	96	92	95	123	110	116	116	112	114	106	96	101
28	105	97	101	120	111	115	122	119	120	106	103	105
29	110	97	101	112	96	105	119	117	118	106	99	101
30	98	96	98	131	107	118	119	117	118	107	105	106
31	---	---	---	126	104	116	118	116	117	---	---	---
MONTH	123	92	98	131	96	112	122	77	109	118	91	105
YEAR	154	71	103									

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.6	5.0	5.4	7.8	7.4	7.6	9.3	8.7	9.0	9.3	8.7	9.1
2	5.6	4.8	5.4	7.8	7.6	7.7	9.4	8.6	9.1	9.9	9.5	9.7
3	5.6	4.9	5.3	7.8	7.1	7.5	9.4	8.7	9.1	9.8	9.6	9.7
4	5.5	5.1	5.3	7.9	7.4	7.7	8.9	8.1	8.6	9.6	9.3	9.5
5	5.4	5.1	5.3	7.7	6.8	7.2	8.9	7.9	8.7	9.6	9.4	9.5
6	5.8	5.4	5.7	7.8	6.8	7.2	9.0	8.4	8.8	9.4	9.0	9.2
7	5.7	5.3	5.6	8.2	6.9	7.8	9.2	8.5	8.9	9.1	8.7	8.9
8	5.5	4.7	5.0	8.3	7.9	8.1	9.7	9.0	9.4	8.9	8.7	8.8
9	5.7	4.9	5.3	8.1	7.9	8.0	9.6	9.1	9.4	8.8	8.5	8.6
10	5.5	5.3	5.4	8.4	8.0	8.2	9.8	9.3	9.6	8.4	8.1	8.3
11	5.6	5.5	5.5	9.0	8.2	8.7	9.9	9.2	9.7	8.1	7.8	7.9
12	5.9	5.4	5.6	9.2	8.7	9.0	10.1	9.7	10.0	8.5	7.8	8.1
13	6.2	5.8	6.0	9.1	8.9	9.0	10.1	9.7	10.0	9.1	8.5	8.8
14	6.1	5.6	5.9	9.2	8.7	9.0	10.0	9.5	9.8	9.4	9.1	9.2
15	---	---	---	8.9	8.4	8.6	9.8	9.4	9.6	9.3	8.8	9.1
16	---	---	---	8.5	8.0	8.2	10.0	9.7	9.9	---	---	---
17	---	---	---	---	---	---	9.9	9.7	9.8	---	---	---
18	7.2	6.9	7.0	---	---	---	10.5	9.8	10.2	9.2	8.2	8.7
19	7.5	7.2	7.4	---	---	---	10.6	10.4	10.5	9.2	9.0	9.1
20	7.9	6.9	7.4	---	---	---	10.6	10.0	10.3	9.2	8.9	9.1
21	7.3	6.9	7.0	8.5	7.9	8.1	10.4	10.1	10.2	8.9	8.6	8.8
22	7.3	7.0	7.2	8.7	8.1	8.5	10.4	10.1	10.2	8.9	8.0	8.5
23	7.2	6.7	7.0	8.7	8.4	8.6	10.7	10.3	10.5	9.1	8.7	8.9
24	7.3	6.5	7.0	8.7	7.7	8.4	10.8	10.3	10.6	9.0	8.7	8.9
25	7.1	6.6	6.9	8.6	8.0	8.3	10.6	9.8	10.2	8.8	8.6	8.7
26	7.3	6.6	7.1	8.5	8.0	8.4	10.1	9.4	9.7	8.6	8.4	8.5
27	7.4	7.1	7.3	8.5	7.6	8.2	9.8	9.4	9.7	8.8	8.5	8.6
28	7.4	7.1	7.2	8.5	7.2	8.0	10.1	9.6	9.8	8.8	8.1	8.4
29	7.1	6.9	7.0	8.5	7.6	8.3	10.2	9.7	9.9	9.0	7.6	8.4
30	7.8	7.0	7.3	8.9	8.0	8.5	9.9	9.7	9.8	8.7	8.5	8.6
31	7.8	7.4	7.6	---	---	---	9.8	9.2	9.5	8.5	8.2	8.3
MONTH	7.9	4.7	6.3	9.2	6.8	8.2	10.8	7.9	9.7	9.9	7.6	8.8

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.3	8.0	8.1	10.2	9.7	10.0	8.8	8.4	8.6	7.8	7.0	7.6
2	8.1	7.5	7.9	10.1	9.6	9.9	---	---	---	8.0	7.3	8.1
3	7.7	7.3	7.5	10.0	9.3	9.6	---	---	---	7.9	7.2	7.7
4	7.6	7.5	7.6	9.5	8.8	9.1	---	---	---	8.0	6.7	7.7
5	8.7	8.5	8.6	9.4	7.8	8.5	8.4	8.1	8.3	8.0	7.1	7.9
6	8.7	8.2	8.5	9.7	9.1	9.4	8.5	8.2	8.4	7.9	6.9	7.7
7	---	---	---	9.4	8.8	9.1	8.5	8.2	8.4	8.3	6.8	7.8
8	---	---	---	9.3	8.7	9.0	8.4	8.0	8.2	8.4	6.8	7.5
9	---	---	---	9.2	8.7	8.9	8.0	7.8	7.9	7.3	6.6	7.0
10	---	---	---	8.9	8.2	8.5	8.1	7.8	8.0	7.1	6.7	6.9
11	---	---	---	8.4	8.0	8.1	8.2	8.0	8.1	7.0	6.7	6.8
12	9.1	8.8	9.0	9.3	7.4	8.1	8.2	7.9	8.0	6.9	6.6	6.8
13	9.1	8.8	8.9	9.4	8.9	9.2	8.0	7.7	7.8	7.1	6.6	6.9
14	9.1	8.7	8.9	9.2	8.8	9.0	7.8	7.5	7.6	7.3	6.8	7.0
15	9.6	9.0	9.2	9.2	8.8	9.0	8.1	7.6	7.8	7.4	6.8	7.1
16	9.9	9.6	9.8	9.0	8.6	8.8	8.3	7.8	7.9	7.0	6.5	6.8
17	10.1	9.7	9.9	8.7	8.4	8.5	8.3	8.1	8.2	6.9	6.5	6.7
18	10.3	9.8	10.0	8.8	8.4	8.7	8.3	8.0	8.1	7.0	6.5	6.8
19	10.0	9.5	9.7	9.0	8.6	8.8	8.0	7.7	7.8	6.8	6.0	6.5
20	9.7	9.3	9.5	8.8	8.2	8.6	7.9	7.7	7.8	6.2	6.0	6.1
21	9.4	8.8	9.0	8.8	8.0	8.3	8.0	7.7	7.9	6.2	5.5	6.0
22	9.7	9.1	9.4	8.9	8.5	8.8	7.6	7.0	7.2	6.5	5.9	6.3
23	9.8	9.5	9.7	9.0	8.6	6.9	7.5	7.0	7.3	6.3	5.8	6.1
24	9.9	9.5	9.7	9.1	8.7	8.8	7.6	7.5	7.5	6.0	5.6	5.9
25	10.3	9.5	9.8	8.7	8.4	8.6	8.2	7.7	7.9	6.3	5.5	6.0
26	10.5	10.2	10.3	9.2	8.4	8.6	8.4	7.6	8.0	6.6	5.4	6.1
27	10.6	10.3	10.5	9.3	9.0	9.2	7.9	7.4	7.7	6.8	5.5	6.2
28	10.5	10.0	10.3	9.1	8.6	8.8	7.9	6.7	7.2	7.1	5.6	6.4
29	---	---	---	8.8	8.4	8.6	---	---	---	7.1	5.9	6.5
30	---	---	---	8.5	7.9	8.2	7.1	6.3	6.7	7.2	5.6	6.5
31	---	---	---	8.7	8.4	8.5	---	---	---	6.2	5.8	6.0
MONTH	10.6	7.3	9.2	10.2	7.4	8.8	8.8	6.3	7.9	8.4	5.4	6.8

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.3	5.9	6.2	6.4	5.9	6.2	6.6	5.3	6.0	5.5	5.0	5.3
2	6.2	6.0	6.1	6.3	5.9	6.2	6.9	5.6	6.3	5.9	4.9	5.4
3	6.4	5.7	6.0	6.3	5.9	6.2	6.3	5.3	5.8	6.1	5.7	5.9
4	6.4	5.6	6.2	6.3	5.5	6.1	7.0	5.7	6.3	6.0	5.4	5.8
5	6.5	5.8	6.2	6.1	5.6	5.9	6.1	5.3	5.7	6.0	5.4	5.7
6	6.3	5.8	6.1	6.3	5.8	6.0	6.0	5.5	5.9	6.6	6.0	6.3
7	6.2	5.9	6.1	6.1	5.3	5.7	6.0	5.6	5.8	6.5	5.4	6.2
8	6.4	6.0	6.2	5.9	5.6	5.8	6.0	5.2	5.8	5.5	5.1	5.3
9	6.4	5.9	6.2	5.9	5.4	5.7	6.0	5.3	5.8	5.4	5.1	5.2
10	6.4	5.9	6.2	5.9	5.2	5.7	5.8	5.0	5.5	5.8	5.2	5.6
11	6.4	5.7	6.1	5.7	5.1	5.5	5.5	5.3	5.4	6.0	5.6	5.8
12	6.5	6.3	6.4	6.0	5.3	5.7	5.5	4.9	5.4	6.3	5.7	6.0
13	6.5	5.8	6.2	6.6	5.1	5.9	5.5	4.7	5.0	6.2	5.9	6.1
14	6.5	6.1	6.4	6.2	5.2	5.7	5.4	5.1	5.2	6.3	6.1	6.2
15	6.6	5.7	6.4	6.1	5.4	5.8	5.4	4.6	5.0	6.4	6.2	6.3
16	6.6	6.3	6.5	6.1	5.4	5.7	5.3	4.8	5.0	6.3	5.9	6.1
17	7.0	6.5	6.6	6.0	5.6	5.7	5.1	4.7	5.0	6.3	5.6	6.0
18	6.9	6.6	6.8	6.1	5.5	5.8	5.3	4.7	5.0	6.2	5.6	5.9
19	7.0	6.2	6.7	5.6	4.9	5.4	5.6	5.1	5.3	6.0	5.5	5.8
20	6.7	6.2	6.4	5.7	5.2	5.4	6.0	5.4	5.7	6.1	5.5	6.0
21	6.6	5.9	6.2	6.0	5.3	5.7	5.8	5.4	5.8	6.1	5.6	5.9
22	6.4	5.8	6.2	6.2	5.4	5.9	5.6	5.0	5.4	6.3	5.5	6.0
23	6.4	5.4	5.9	6.3	5.9	6.2	5.7	5.2	5.5	6.5	6.2	6.4
24	6.5	5.7	6.1	6.1	5.5	5.9	5.6	5.2	5.5	7.2	6.5	6.9
25	6.8	5.8	6.3	6.1	5.8	5.9	5.7	5.1	5.5	7.4	6.9	7.2
26	6.8	6.0	6.4	6.2	5.8	5.9	5.6	5.2	5.4	7.3	6.7	6.9
27	6.6	6.4	6.5	6.2	5.5	6.0	5.6	5.0	5.3	7.0	6.5	6.8
28	6.9	6.2	6.6	6.3	5.8	6.2	5.1	4.7	5.0	6.6	6.3	6.5
29	6.5	6.0	6.3	6.2	5.1	5.9	5.3	4.7	5.1	6.6	6.1	6.3
30	6.4	6.1	6.2	6.3	5.1	5.7	5.2	4.9	5.1	6.6	6.2	6.4
31	---	---	---	6.2	5.7	5.9	5.4	5.1	5.2	---	---	---
MONTH	7.0	5.4	6.3	6.6	4.9	5.8	7.0	4.6	5.5	7.4	4.9	6.1
YEAR	10.8	4.6	7.4									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.0	26.5	26.5	19.5	18.0	19.0	16.0	14.5	15.0	13.5	12.5	13.0
2	26.5	26.0	26.0	20.0	18.5	19.0	16.0	14.5	15.0	12.5	11.0	12.0
3	27.0	26.0	26.5	20.0	18.5	19.0	15.5	14.0	15.0	11.5	11.0	11.0
4	27.5	26.5	27.0	19.5	18.5	19.0	17.0	14.5	15.5	12.5	11.5	12.0
5	27.0	26.5	27.0	21.0	18.5	19.5	17.0	15.5	16.0	11.5	11.0	11.5
6	27.0	26.0	26.5	19.0	18.0	18.5	16.5	15.0	15.5	12.5	11.5	12.0
7	26.5	25.5	26.0	18.5	17.5	18.0	15.5	14.0	14.5	13.0	12.0	12.5
8	26.0	25.0	25.5	18.0	17.5	17.5	14.0	12.5	13.0	12.5	12.0	12.0
9	25.5	24.5	24.5	19.0	17.5	18.5	14.5	13.0	13.5	14.0	12.0	12.5
10	26.0	25.0	25.5	17.5	16.5	16.5	14.5	12.5	13.5	14.5	12.5	13.5
11	26.0	25.0	25.5	16.5	15.0	16.0	12.5	11.0	12.0	14.5	13.5	14.0
12	25.0	24.0	24.5	16.0	14.5	15.0	12.5	11.5	12.0	14.0	12.5	13.5
13	24.5	23.5	24.0	16.0	14.0	15.0	13.5	12.0	12.5	12.5	11.5	12.0
14	24.5	23.0	23.5	17.0	14.0	16.0	13.0	12.0	12.5	11.5	11.0	11.5
15	24.5	23.0	23.5	17.5	15.5	17.0	12.5	11.5	12.0	12.5	11.5	12.0
16	23.5	22.5	23.0	18.0	16.5	17.0	12.0	11.0	11.5	---	---	---
17	23.5	22.0	22.5	17.0	15.5	16.5	12.0	10.5	11.0	---	---	---
18	22.5	20.5	21.5	16.0	14.5	15.5	11.0	10.0	10.5	13.5	13.0	13.0
19	21.5	19.5	20.5	16.5	15.0	15.5	10.5	9.5	10.0	13.0	12.5	12.5
20	21.5	19.5	20.5	17.5	15.0	16.5	11.5	10.0	10.5	13.0	12.5	12.5
21	22.5	21.0	21.5	18.5	16.0	17.0	11.0	10.0	10.5	14.0	13.0	13.5
22	22.0	21.0	21.5	17.5	16.5	17.0	10.5	9.5	10.0	15.0	13.0	13.5
23	22.0	20.5	21.0	17.5	16.0	16.5	10.0	8.5	9.5	14.5	13.0	13.5
24	21.5	20.0	21.0	18.0	16.5	17.0	10.0	8.5	9.0	15.0	13.0	14.0
25	21.5	19.5	20.5	18.5	16.5	17.5	11.5	9.5	10.0	14.5	13.5	14.0
26	22.0	20.0	21.0	19.0	17.0	17.5	13.0	11.5	12.5	14.5	14.0	14.0
27	22.0	20.0	21.0	19.5	17.5	18.0	12.5	11.5	12.0	15.0	14.0	14.0
28	21.5	20.0	21.0	18.5	17.0	18.0	11.5	10.5	11.0	15.5	13.5	14.5
29	20.5	18.0	19.5	17.0	15.5	16.5	11.5	10.0	11.0	14.5	14.5	14.5
30	19.0	17.5	18.0	16.0	14.5	15.0	12.0	11.0	11.0	15.0	14.5	14.5
31	19.0	17.0	18.0	---	---	---	14.0	12.0	12.5	15.5	14.5	14.5
MONTH	27.5	17.0	23.0	21.0	14.0	17.0	17.0	8.5	12.5	15.5	11.0	13.0

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.5	14.0	15.0	12.5	11.0	11.5	17.5	15.5	16.5	24.0	22.0	23.0
2	16.0	14.5	15.0	13.0	11.5	12.5	---	---	---	23.0	22.0	22.5
3	16.5	15.0	15.5	14.0	12.5	13.0	---	---	---	23.5	22.0	22.5
4	15.5	14.5	15.0	15.5	13.0	14.0	---	---	---	23.0	22.0	22.5
5	14.5	14.0	14.0	16.5	14.0	15.0	21.0	17.0	18.0	22.5	21.5	22.0
6	14.5	13.5	14.0	14.5	13.5	14.0	17.5	16.5	17.0	23.0	21.0	21.5
7	14.5	14.0	14.0	15.5	14.0	14.5	17.5	16.5	17.0	21.5	20.5	21.0
8	14.5	13.5	14.0	16.0	14.5	15.0	17.0	16.5	17.0	23.0	21.0	21.5
9	13.5	13.0	13.5	16.5	15.0	15.5	18.0	15.0	17.0	22.0	21.5	22.0
10	13.0	12.5	12.5	17.5	15.5	16.0	19.0	12.5	16.0	22.5	21.5	22.0
11	13.0	12.0	12.5	16.5	15.5	16.0	19.0	14.0	16.5	23.0	22.0	22.5
12	13.0	11.0	12.0	16.0	13.5	15.0	18.0	16.5	17.0	23.5	22.5	23.0
13	13.0	12.0	12.5	14.5	13.5	14.0	18.0	17.5	17.5	23.0	22.0	22.5
14	12.5	12.0	12.0	15.0	14.0	14.5	18.5	17.5	18.0	23.0	21.5	22.0
15	13.0	12.0	12.5	15.5	14.0	14.5	19.0	17.5	18.5	24.0	23.0	23.5
16	12.0	11.0	11.5	15.5	14.5	15.0	18.5	18.0	18.0	24.5	23.0	23.5
17	12.0	11.0	11.5	15.5	14.0	14.5	19.5	18.0	18.5	24.5	23.5	24.0
18	11.5	10.5	11.0	15.0	13.5	14.5	19.0	18.0	18.5	24.5	23.5	24.0
19	12.0	11.0	11.5	17.0	14.5	15.5	19.0	18.0	18.5	25.5	23.5	24.5
20	11.5	11.0	11.5	17.5	15.5	16.5	19.0	18.5	19.0	24.5	24.0	24.5
21	12.5	11.0	12.0	17.5	16.0	16.5	19.5	18.5	19.0	24.5	23.5	24.5
22	13.5	12.5	13.0	16.5	15.5	16.0	20.0	19.0	19.5	25.0	24.0	24.5
23	12.5	12.0	12.0	16.5	15.5	15.5	20.5	19.0	19.5	25.0	24.0	24.5
24	13.0	11.5	12.0	16.5	15.5	16.0	20.0	19.0	19.5	24.5	24.0	24.5
25	12.5	11.0	11.5	15.5	13.5	14.5	21.0	19.0	19.5	25.5	24.5	25.0
26	11.0	10.5	11.0	14.5	13.5	14.0	20.5	19.5	20.0	25.5	24.5	25.0
27	11.0	10.5	11.0	15.5	14.5	14.5	20.5	20.0	20.0	25.0	24.5	24.5
28	11.5	10.5	11.0	16.5	14.5	15.5	21.5	20.0	21.0	24.5	24.0	24.0
29	---	---	---	17.5	15.5	16.0	22.5	20.5	21.5	25.5	23.5	24.5
30	---	---	---	17.5	15.5	16.0	23.5	21.5	22.5	26.0	24.5	25.5
31	---	---	---	16.5	15.0	15.5	---	---	---	27.0	25.0	26.0
MONTH	16.5	10.5	12.5	17.5	11.0	15.0	23.5	12.5	18.5	27.0	20.5	23.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.0	26.5	26.5	28.0	27.0	27.5	30.5	28.5	29.0	28.5	27.5	28.0
2	26.5	26.0	26.5	28.5	27.5	27.5	30.5	26.5	28.5	30.0	27.5	28.5
3	26.5	25.0	26.0	28.0	27.5	27.5	30.0	27.0	28.5	30.0	27.5	28.5
4	25.5	25.0	25.0	28.0	26.5	27.5	28.0	25.0	27.0	28.5	27.5	28.0
5	26.0	25.0	25.5	28.0	27.0	27.5	28.5	26.5	27.0	27.0	25.5	26.5
6	26.0	25.5	25.5	28.5	26.5	27.5	27.0	26.5	26.5	25.5	24.0	24.5
7	26.5	25.5	26.0	28.5	27.0	27.5	26.5	25.5	26.0	26.0	24.0	25.0
8	26.5	26.0	26.0	28.0	26.5	27.5	27.5	26.0	27.0	26.5	26.0	26.0
9	27.5	26.0	26.5	28.5	27.5	28.0	27.5	27.0	27.0	26.0	25.5	25.5
10	27.5	26.0	27.0	28.5	28.0	28.5	28.5	27.5	27.5	26.5	25.5	26.0
11	27.5	27.0	27.5	29.0	27.5	28.0	28.5	27.5	28.0	26.5	26.0	26.5
12	27.5	26.5	27.0	29.0	28.0	28.5	28.5	27.0	27.5	27.0	26.0	26.5
13	28.0	27.0	27.5	29.0	28.5	28.5	28.5	27.0	27.5	27.0	26.5	26.5
14	28.0	26.5	27.0	29.5	28.5	29.0	28.0	27.5	27.5	26.5	25.5	26.5
15	27.5	26.5	27.0	30.0	28.0	29.0	28.5	27.0	27.5	26.5	26.0	26.0
16	28.0	26.0	27.0	30.0	28.5	29.0	28.5	27.5	28.0	27.0	26.0	26.0
17	27.5	26.5	27.0	29.0	28.0	28.5	28.5	27.5	28.0	26.5	25.5	26.0
18	27.5	25.5	26.5	29.5	28.0	29.0	28.5	27.0	28.0	26.5	25.5	26.0
19	28.5	25.5	27.0	29.0	28.0	29.0	29.5	27.5	28.5	26.5	25.5	26.0
20	29.5	26.5	28.0	29.0	28.5	29.0	28.5	27.5	28.0	26.5	25.5	26.0
21	29.0	27.0	28.0	29.0	27.0	28.5	28.0	27.5	27.5	27.0	26.0	26.5
22	29.0	27.5	28.5	29.0	27.5	28.5	28.0	27.5	28.0	26.5	24.5	25.5
23	30.0	27.5	28.5	28.0	27.5	27.5	28.5	27.5	28.0	25.0	24.0	24.5
24	28.0	27.5	28.0	28.5	27.0	28.0	28.5	27.5	28.0	23.5	22.5	22.5
25	28.0	27.0	27.5	28.5	27.5	28.0	28.5	28.0	28.5	23.0	22.5	22.5
26	27.0	26.5	27.0	28.5	27.0	28.0	29.0	28.0	28.5	22.5	21.5	22.0
27	27.0	25.5	26.0	28.5	27.0	28.0	29.5	28.5	29.0	24.0	22.0	22.5
28	25.5	25.0	25.5	29.5	28.0	28.5	29.0	28.5	28.5	25.5	24.5	24.5
29	27.0	25.0	26.0	29.5	28.0	29.0	29.5	28.5	29.0	25.5	24.5	25.0
30	28.0	26.5	27.0	30.0	28.5	29.0	29.0	28.0	28.5	24.5	23.5	24.0
31	---	---	---	30.0	27.0	29.0	28.5	27.5	28.0	---	---	---
MONTH	30.0	25.0	27.0	30.0	26.5	28.0	30.5	25.0	28.0	30.0	21.5	25.5
YEAR	30.5	8.5	20.5									

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.5	6.3	6.4	6.8	6.6	6.7	6.7	6.5	6.6	6.7	6.6	6.7
2	6.4	6.2	6.3	6.8	6.6	6.7	6.7	6.4	6.5	6.8	6.6	6.7
3	6.5	6.2	6.4	6.7	6.6	6.7	6.8	6.5	6.7	6.7	6.6	6.7
4	6.5	6.3	6.4	6.7	6.6	6.7	6.7	6.5	6.6	6.7	6.6	6.7
5	6.5	6.3	6.4	6.7	6.5	6.6	6.9	6.4	6.7	6.6	6.6	6.6
6	6.6	6.3	6.4	6.6	6.4	6.5	6.7	6.5	6.6	6.7	6.6	6.6
7	6.6	6.3	6.5	6.7	6.3	6.6	6.7	6.5	6.6	6.7	6.6	6.6
8	6.5	6.4	6.4	6.7	6.6	6.7	6.7	6.6	6.6	6.7	6.6	6.6
9	6.5	6.3	6.4	6.8	6.4	6.6	6.8	6.6	6.7	6.7	6.5	6.6
10	6.5	6.3	6.4	6.4	6.3	6.4	6.8	6.6	6.7	6.6	6.5	6.6
11	6.5	6.3	6.4	6.5	6.3	6.4	6.6	6.4	6.5	6.5	6.4	6.4
12	6.5	6.3	6.4	6.6	6.3	6.4	6.7	6.5	6.7	6.6	6.4	6.5
13	6.4	6.3	6.4	6.5	6.3	6.4	6.8	6.6	6.7	6.6	6.5	6.6
14	6.5	6.3	6.4	6.6	6.3	6.5	7.0	6.7	6.8	6.6	6.6	6.6
15	6.5	6.4	6.4	6.8	6.4	6.6	6.8	6.7	6.8	6.7	6.6	6.7
16	6.5	6.3	6.4	6.8	6.4	6.6	6.9	6.8	6.9	6.7	6.6	6.7
17	6.6	6.4	6.5	6.5	6.3	6.4	6.9	6.8	6.8	6.7	6.6	6.7
18	6.6	6.4	6.5	6.5	6.3	6.4	6.9	6.7	6.8	6.6	6.4	6.5
19	6.6	6.4	6.5	6.6	6.4	6.5	6.9	6.8	6.9	6.5	6.4	6.4
20	6.6	6.4	6.5	6.5	6.3	6.4	7.0	6.9	6.9	6.5	6.4	6.4
21	6.7	6.5	6.6	6.4	6.2	6.3	7.0	6.7	6.9	6.4	6.3	6.4
22	6.7	6.5	6.6	6.6	6.3	6.4	6.8	6.6	6.7	6.4	6.2	6.3
23	6.6	6.5	6.5	6.6	6.4	6.5	6.7	6.6	6.6	6.5	6.4	6.5
24	6.6	6.4	6.5	6.5	6.4	6.4	6.8	6.6	6.7	6.6	6.4	6.5
25	6.7	6.4	6.5	6.6	6.3	6.4	6.7	6.6	6.6	6.5	6.4	6.5
26	6.7	6.4	6.6	6.6	6.4	6.5	6.8	6.6	6.7	6.5	6.3	6.4
27	6.8	6.5	6.6	6.6	6.4	6.5	6.9	6.6	6.8	6.5	6.4	6.5
28	6.7	6.6	6.6	6.6	6.3	6.5	6.8	6.6	6.7	6.5	6.4	6.5
29	6.6	6.4	6.5	6.6	6.4	6.5	6.8	6.7	6.7	6.5	6.4	6.5
30	6.6	6.4	6.5	6.6	6.4	6.5	6.8	6.7	6.8	6.6	6.5	6.5
31	6.7	6.4	6.6	---	---	---	6.8	6.7	6.8	6.6	6.4	6.5
MONTH	6.8	6.2	6.5	6.8	6.2	6.5	7.0	6.4	6.7	6.8	6.2	6.5

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.5	6.4	6.5	6.6	6.4	6.5	6.9	6.7	6.8	6.6	6.3	6.4
2	6.5	6.4	6.5	6.6	6.4	6.5	---	---	---	6.5	6.4	6.5
3	6.5	6.3	6.4	6.6	6.4	6.5	---	---	---	6.5	6.3	6.4
4	6.4	6.3	6.4	6.5	6.3	6.4	---	---	---	6.6	6.4	6.5
5	6.5	6.3	6.4	6.3	6.2	6.2	6.9	6.7	6.8	6.4	6.3	6.4
6	6.5	6.3	6.4	6.7	6.1	6.4	6.8	6.7	6.8	6.4	6.3	6.3
7	6.4	6.3	6.3	6.6	6.4	6.5	6.8	6.5	6.7	6.4	6.2	6.3
8	6.4	6.3	6.4	6.6	6.5	6.5	6.7	6.5	6.5	6.6	6.4	6.5
9	6.5	6.4	6.4	6.7	6.5	6.6	6.7	6.5	6.5	6.5	6.3	6.4
10	6.7	6.4	6.5	6.8	6.4	6.7	6.7	6.4	6.6	6.5	6.4	6.4
11	6.8	6.5	6.7	6.7	6.3	6.5	6.6	6.4	6.5	6.6	6.4	6.5
12	6.5	6.3	6.4	6.5	6.2	6.3	6.8	6.4	6.6	6.5	6.4	6.4
13	6.4	6.2	6.3	6.6	6.5	6.5	6.7	6.6	6.7	6.6	6.4	6.5
14	6.3	6.2	6.3	6.6	6.4	6.5	6.7	6.6	6.7	6.5	6.4	6.5
15	6.3	6.2	6.3	6.6	6.4	6.5	6.8	6.6	6.7	6.6	6.5	6.5
16	6.3	6.3	6.3	6.5	6.4	6.5	6.7	6.4	6.6	6.6	6.5	6.5
17	6.4	6.3	6.3	6.5	6.3	6.4	6.7	6.5	6.6	6.6	6.5	6.6
18	6.4	6.2	6.3	6.5	6.3	6.4	6.8	6.5	6.7	6.7	6.6	6.6
19	6.4	6.3	6.3	6.6	6.5	6.5	6.8	6.4	6.6	6.7	6.5	6.6
20	6.4	6.2	6.3	6.6	6.5	6.6	6.8	6.6	6.7	6.5	6.4	6.4
21	6.3	6.1	6.2	6.6	6.4	6.5	6.8	6.7	6.7	6.5	6.4	6.4
22	6.4	6.2	6.4	6.9	6.6	6.7	6.6	6.5	6.6	6.7	6.5	6.6
23	6.5	6.3	6.4	6.9	6.7	6.8	6.6	6.5	6.5	6.7	6.[illegible]	6.6
24	6.5	6.4	6.4	6.7	6.6	6.7	6.6	6.5	6.5	6.7	6.5	6.6
25	6.5	6.3	6.4	6.5	6.3	6.4	6.7	6.4	6.6	6.7	6.5	6.6
26	6.5	6.4	6.4	6.6	6.2	6.4	6.9	6.6	6.7	6.7	6.5	6.6
27	6.6	6.4	6.5	6.7	6.6	6.6	6.9	6.7	6.8	6.6	6.5	6.6
28	6.5	6.4	6.5	6.9	6.6	6.7	6.7	6.5	6.6	6.5	6.4	6.5
29	---	---	---	6.8	6.7	6.8	6.5	6.4	6.5	6.6	6.2	6.4
30	---	---	---	6.9	6.6	6.7	6.4	6.2	6.3	6.7	6.5	6.6
31	---	---	---	6.9	6.7	6.8	---	---	---	6.7	6.6	6.6
MONTH	6.8	6.1	6.4	6.9	6.1	6.5	6.9	6.2	6.6	6.7	6.2	6.5

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.6	6.6	6.8	6.5	6.7	7.0	6.8	6.9	6.7	6.5	6.6
2	6.6	6.6	6.6	6.8	6.7	6.7	7.0	6.8	6.9	6.7	6.5	6.6
3	6.6	6.5	6.5	6.8	6.7	6.7	6.9	6.7	6.8	6.7	6.5	6.6
4	6.5	6.4	6.5	6.8	6.7	6.7	6.8	6.7	6.8	6.6	6.5	6.6
5	6.7	6.5	6.6	6.8	6.7	6.8	6.8	6.6	6.7	6.8	6.6	6.7
6	6.7	6.5	6.6	6.8	6.7	6.7	6.6	6.5	6.5	6.4	6.2	6.3
7	6.7	6.5	6.6	6.8	6.7	6.7	6.5	6.3	6.4	6.4	6.2	6.3
8	6.7	6.5	6.6	6.8	6.6	6.7	6.6	6.4	6.5	6.4	6.3	6.4
9	6.7	6.5	6.6	6.7	6.5	6.6	6.7	6.4	6.6	6.5	6.2	6.4
10	6.6	6.5	6.6	6.8	6.6	6.7	6.8	6.6	6.7	6.4	6.2	6.3
11	6.8	6.5	6.6	6.8	6.6	6.7	6.9	6.7	6.8	6.6	6.3	6.5
12	6.8	6.7	6.7	6.8	6.6	6.7	6.8	6.5	6.7	6.6	6.4	6.5
13	6.7	6.6	6.6	6.9	6.5	6.7	6.6	6.4	6.6	6.7	6.5	6.6
14	6.6	6.5	6.5	6.9	6.6	6.7	6.8	6.7	6.7	6.7	6.5	6.6
15	6.7	6.4	6.6	6.9	6.7	6.8	6.7	6.4	6.6	6.7	6.5	6.6
16	6.7	6.6	6.7	6.8	6.6	6.7	6.6	6.5	6.6	6.6	6.3	6.5
17	6.7	6.6	6.7	6.8	6.6	6.7	6.6	6.5	6.6	6.4	6.3	6.3
18	6.7	6.5	6.6	6.8	6.6	6.7	6.7	6.4	6.6	6.7	6.3	6.5
19	6.7	6.5	6.6	6.7	6.6	6.7	6.7	6.5	6.6	6.7	6.5	6.6
20	6.8	6.6	6.7	6.8	6.6	6.7	6.8	6.5	6.6	6.7	6.5	6.6
21	6.9	6.7	6.8	6.7	6.5	6.6	6.8	6.6	6.7	6.8	6.6	6.7
22	6.9	6.7	6.8	6.6	6.5	6.6	6.8	6.6	6.7	6.6	6.5	6.6
23	7.0	6.8	6.9	6.7	6.5	6.6	6.7	6.6	6.6	6.5	6.3	6.4
24	6.9	6.6	6.8	6.7	6.4	6.6	6.8	6.6	6.7	6.5	6.3	6.4
25	6.6	6.5	6.6	6.6	6.4	6.5	6.8	6.6	6.7	6.6	6.4	6.5
26	6.6	6.2	6.4	6.5	6.4	6.5	6.8	6.6	6.7	6.5	6.3	6.4
27	6.5	6.1	6.4	6.6	6.5	6.5	6.8	6.6	6.7	6.5	6.3	6.4
28	6.5	6.3	6.4	6.8	6.6	6.7	6.8	6.6	6.7	6.7	6.6	6.6
29	6.7	6.1	6.4	6.7	6.5	6.6	6.8	6.6	6.7	6.6	6.4	6.5
30	6.7	6.2	6.5	7.0	6.5	6.8	6.8	6.7	6.7	6.5	6.3	6.5
31	---	---	---	7.0	6.8	6.9	6.8	6.7	6.7	---	---	---
MONTH	7.0	6.1	6.6	7.0	6.4	6.7	7.0	6.3	6.7	6.8	6.2	6.5
YEAR	7.0	6.1	6.6									

02156500 BROAD RIVER NEAR CARLISLE, S.C.

LOCATION.--Lat 34°35'46", long 81°25'20", Union County, at gaging station on right bank, 1.3 mi (2.1 km) upstream from Sandy River, 2.0 mi (3.2 km) downstream from Seaboard Coast Line Railroad bridge, 2.5 mi (4.0 km) east of Carlisle, 5.0 mi (8.0 km) downstream from Neals Shoals Dam, and at mile 226.0 (363.6 km).

DRAINAGE AREA.--2,790 mi^2 (7,230 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1947 to September 1948, October 1962 to September 1964, September 1969 to Current year. Water temperature: October 1973 to current year.

EXTREMES, CURRENT YEAR.--Specific conductance: Maximum, 90 micromhos Nov. 21; minimum, 35 micromhos Dec. 28.
Dissolved Oxygen: Maximum, 12.0 mg/l Dec. 20; minimum, 5.5 mg/l Sept. 3.
Temperature: Maximum, 30.0°C aug. 1; minimum, 5.5°C Dec. 18, 19, and 20.
pH: Maximum, 7.8 units Nov. 20; minimum, 6.4 units Sept. 3.

Period of record: Specific conductance: Maximum, 90 micromhos Nov. 21, 1973; minimum, 35 micromhos Dec. 28, 1973.
Dissolved Oxygen: Maximum, 12.0 mg/l Dec. 20, 1973; minimum, 515 mg/l Sept. 3, 1974.
Temperature: Maximum, 30.0°C Aug. 1, 1974 minimum 5.5°C Dec. 18, 19 and 20, 1973.
pH: Maximum, 7.8 units Nov. 20, 1973; minimum, 6.4 units Sept. 3, 1974

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	81	59	78	81	78	79	77	69	72	---	---	---
2	77	59	71	82	77	80	70	68	69	---	---	---
3	66	59	62	82	79	81	78	70	73	---	---	---
4	59	57	58	83	79	80	78	70	73	51	50	50
5	64	60	62	84	80	82	74	69	72	53	51	51
6	67	64	65	84	81	82	74	70	72	53	52	52
7	73	66	69	82	78	80	70	54	61	54	52	53
8	77	73	75	80	77	78	55	53	54	56	53	54
9	78	74	76	83	80	81	60	55	58	55	54	55
10	75	72	73	84	81	82	69	61	67	---	---	---
11	73	70	72	85	83	84	67	63	65	---	---	---
12	77	71	73	85	83	84	67	63	64	---	---	---
13	80	76	78	84	80	82	74	68	71	---	---	---
14	81	77	79	82	78	80	74	70	72	59	58	59
15	81	78	79	80	75	77	79	74	75	58	56	57
16	80	74	77	80	76	78	78	75	77	64	58	62
17	76	69	72	83	79	80	79	76	78	64	62	63
18	78	71	74	86	80	83	79	73	76	65	64	64
19	78	73	75	87	84	85	74	71	72	70	64	68
20	81	78	80	87	84	86	75	73	74	72	68	70
21	82	80	81	90	81	84	77	70	74	72	60	65
22	82	80	81	83	80	81	78	76	77	62	49	53
23	82	79	81	82	79	80	---	---	---	51	49	50
24	78	75	76	83	77	80	---	---	---	54	51	53
25	76	74	75	81	77	79	---	---	---	58	54	56
26	80	74	77	81	76	79	---	---	---	59	56	58
27	82	80	81	80	75	78	---	---	---	62	58	60
28	83	80	81	79	74	76	40	35	38	61	55	59
29	84	80	82	78	74	76	---	---	---	57	54	55
30	83	80	82	79	75	76	---	---	---	60	55	57
31	83	78	80	---	---	---	---	---	---	---	---	---
MONTH	84	57	75	90	74	80	---	---	---	---	---	---

02156500 BROAD RIVER NEAR CARLISLE, S.C.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	61	58	59	48	45	47	62	60	61
2	---	---	---	62	58	60	50	45	47	63	60	61
3	---	---	---	59	58	59	53	50	51	64	61	63
4	---	---	---	---	---	---	56	43	52	68	63	66
5	53	52	53	58	57	58	42	39	41	68	65	66
6	56	52	54	62	58	60	41	38	39	67	63	65
7	58	55	56	63	60	62	44	41	43	66	57	61
8	56	50	53	64	61	63	50	44	46	58	55	56
9	54	51	52	65	62	64	52	47	50	61	57	58
10	58	55	56	65	62	63	---	---	---	64	56	61
11	58	54	56	65	62	64	54	54	54	55	51	52
12	56	52	54	65	60	63	56	54	54	56	53	55
13	60	56	58	64	62	63	59	54	56	59	53	57
14	59	57	58	70	61	64	59	56	58	53	49	51
15	62	59	60	68	63	65	60	54	56	53	49	50
16	63	59	61	67	63	65	54	53	54	58	53	54
17	64	60	62	67	65	66	57	54	55	59	57	57
18	67	64	65	67	64	65	59	57	58	60	59	60
19	---	---	---	65	62	64	64	60	61	63	60	62
20	59	58	59	63	61	62	65	62	63	65	61	63
21	60	57	58	63	60	62	64	60	62	63	60	62
22	64	60	61	65	61	64	63	60	61	61	57	59
23	62	51	58	64	57	60	62	57	60	59	55	57
24	50	48	49	58	56	57	60	58	59	65	58	62
25	49	48	49	59	57	58	60	57	58	65	61	62
26	52	48	50	61	57	59	63	59	61	61	59	60
27	55	52	53	63	58	60	65	62	63	62	60	61
28	59	55	57	65	61	62	62	59	61	62	61	62
29	---	---	---	69	63	66	63	60	61	61	58	59
30	---	---	---	67	55	60	63	60	61	61	58	59
31	---	---	---	54	48	50	---	---	---	63	60	62
MONTH	67	48	56	70	48	62	65	38	55	68	49	59

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	64	62	63	---	---	---	64	60	61	73	70	72
2	65	62	63	---	---	---	69	61	64	74	67	70
3	67	55	60	---	---	---	74	64	68	75	66	70
4	63	60	61	---	---	---	78	72	76	72	66	69
5	62	60	61	---	---	---	---	---	---	67	64	65
6	66	62	64	---	---	---	---	---	---	76	63	67
7	68	64	67	---	---	---	---	---	---	68	62	64
8	67	61	65	---	---	---	---	---	---	74	65	70
9	59	52	55	---	---	---	59	53	56	64	61	62
10	---	---	---	51	50	51	53	51	52	62	60	61
11	---	---	---	54	51	52	53	50	52	---	---	---
12	---	---	---	60	58	59	51	50	50	69	46	62
13	---	---	---	61	57	59	53	50	51	76	62	69
14	56	51	54	60	57	58	60	54	56	73	68	71
15	58	55	57	63	58	61	55	53	54	73	65	71
16	62	58	60	64	58	61	60	54	56	66	63	65
17	62	59	61	65	60	62	63	60	62	65	61	62
18	60	57	59	64	61	62	69	61	65	68	62	64
19	59	57	58	70	62	65	65	62	64	68	65	66
20	60	58	59	69	60	65	63	59	62	68	66	68
21	66	65	66	65	60	62	62	58	60	70	67	69
22	70	65	67	65	60	63	62	59	61	74	70	73
23	---	---	---	66	62	64	63	60	62	74	72	73
24	---	---	---	66	62	64	67	63	65	75	69	72
25	---	---	---	68	60	63	68	65	66	70	67	68
26	---	---	---	70	63	65	72	67	70	70	65	68
27	---	---	---	69	64	67	72	66	68	73	70	71
28	---	---	---	70	66	68	69	64	66	71	70	71
29	---	---	---	69	66	68	68	63	65	72	67	70
30	---	---	---	69	63	65	66	62	64	66	53	59
31	---	---	---	64	59	61	71	66	69	---	---	---
MONTH	---	---	---	---	---	---	78	50	62	76	46	68
YEAR	90	35	64									

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.1	7.3	10.0	9.3	9.6	10.5	10.0	10.2	---	---	---
2	8.2	7.5	7.9	10.0	9.3	9.6	10.7	10.4	10.6	---	---	---
3	8.2	8.1	8.1	10.0	9.2	9.6	11.5	10.6	11.0	---	---	---
4	8.3	7.9	8.1	9.9	8.9	9.4	11.1	10.6	10.9	11.6	11.5	11.6
5	8.0	7.7	7.9	9.3	8.6	9.0	10.6	10.0	10.4	11.6	11.2	11.3
6	7.9	7.7	7.8	9.6	8.5	9.0	10.4	9.8	9.9	11.1	10.5	10.8
7	8.1	7.9	8.0	9.3	8.6	8.9	10.5	10.0	10.3	---	---	---
8	8.3	7.9	8.1	9.9	8.8	9.3	11.0	10.5	10.7	10.7	10.2	10.5
9	8.4	8.1	8.3	9.8	9.0	9.4	11.1	10.9	11.0	10.1	9.9	10.0
10	8.5	8.2	8.3	10.0	9.2	9.6	11.2	11.0	11.1	---	---	---
11	8.5	8.2	8.3	10.4	9.5	10.0	11.6	11.2	11.5	---	---	---
12	8.4	8.2	8.3	11.0	10.0	10.5	11.8	11.6	11.7	---	---	---
13	8.6	8.2	8.4	11.4	10.2	10.8	11.8	11.5	11.7	---	---	---
14	8.6	8.3	8.5	11.2	10.1	10.6	11.7	11.3	11.5	11.5	11.1	11.3
15	8.8	8.4	8.6	10.9	9.5	10.2	11.3	11.1	11.2	11.7	11.4	11.6
16	8.9	8.4	8.6	10.3	9.1	9.7	11.2	11.0	11.1	11.5	10.9	11.2
17	9.3	8.5	8.9	10.0	9.1	9.5	11.4	11.1	11.2	11.3	10.6	10.9
18	9.5	8.8	9.1	10.2	9.2	9.7	11.7	11.3	11.5	10.6	10.5	10.6
19	9.5	9.0	9.2	10.9	9.6	10.1	11.9	11.7	11.8	10.5	10.3	10.4
20	9.6	9.1	9.3	11.2	9.7	10.3	12.0	11.8	11.9	10.6	10.4	10.5
21	9.7	9.2	9.4	10.4	9.5	9.9	11.8	10.4	11.2	10.5	9.7	10.1
22	9.7	9.0	9.3	9.9	9.1	9.5	11.6	10.4	11.0	11.5	10.5	10.8
23	9.8	8.9	9.3	9.7	9.1	9.4	---	---	---	10.9	10.2	10.6
24	9.7	8.9	9.2	9.7	9.2	9.4	---	---	---	10.2	9.8	10.0
25	9.7	8.9	9.2	9.5	9.0	9.3	---	---	---	10.1	9.7	9.9
26	9.9	8.8	9.3	9.2	8.7	9.0	---	---	---	10.1	10.0	10.1
27	9.6	8.8	9.1	9.3	8.7	9.0	---	---	---	10.1	9.7	9.9
28	9.5	8.8	9.1	9.1	8.7	8.8	---	---	---	9.7	9.2	9.5
29	9.4	8.8	9.0	9.5	8.8	9.1	---	---	---	9.5	9.3	9.4
30	9.5	8.8	9.1	10.0	9.1	9.6	---	---	---	9.3	9.2	9.3
31	9.7	9.0	9.4	---	---	---	---	---	---	---	---	---
MONTH	9.9	7.1	8.7	11.4	8.5	9.6	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	11.5	10.5	11.0	10.4	9.5	10.0	9.0	8.2	8.6
2	---	---	---	10.5	9.9	10.2	9.6	9.1	9.3	8.9	8.1	8.4
3	---	---	---	9.9	9.5	9.8	9.1	8.8	9.0	8.7	8.2	8.4
4	---	---	---	---	---	---	9.9	8.9	9.2	8.7	8.2	8.4
5	11.4	10.9	11.1	9.8	9.5	9.7	9.9	9.3	9.6	8.4	8.2	8.3
6	11.5	11.1	11.3	9.5	9.2	9.4	10.3	9.9	10.1	8.9	8.4	8.7
7	11.2	10.8	11.0	9.3	9.0	9.2	11.0	9.0	9.7	9.4	8.9	9.2
8	11.0	10.5	10.7	9.2	8.9	9.1	9.5	9.3	9.4	9.2	8.9	9.1
9	11.2	10.9	11.0	9.3	8.9	9.1	---	---	---	9.1	8.7	8.9
10	---	---	---	9.3	8.9	9.0	---	---	---	8.8	8.5	8.7
11	11.4	11.1	11.2	9.1	8.8	8.9	10.0	9.5	9.8	9.1	8.5	8.7
12	11.4	10.8	11.1	9.3	8.9	9.1	10.1	9.4	9.7	8.6	8.1	8.3
13	11.1	10.4	10.8	9.9	9.3	9.6	10.2	9.0	9.4	8.5	8.2	8.3
14	10.5	9.9	10.3	10.1	9.6	9.8	9.2	8.7	8.9	8.9	8.5	8.7
15	10.2	9.7	9.9	10.2	9.8	10.0	9.0	8.3	8.6	8.7	8.3	8.5
16	10.1	9.7	9.9	10.1	9.7	9.9	9.1	8.4	8.8	8.4	8.0	8.2
17	---	---	---	10.3	9.7	10.0	9.3	9.1	9.2	8.1	7.8	8.0
18	---	---	---	10.9	10.0	10.5	9.3	6.2	9.0	7.9	7.7	7.8
19	---	---	---	10.8	10.2	10.5	7.7	6.7	7.4	7.8	7.6	7.7
20	11.0	10.7	10.8	10.2	9.6	10.0	8.1	7.5	7.9	7.8	7.5	7.7
21	10.9	10.3	10.6	9.8	9.4	9.5	9.3	7.5	8.7	8.1	7.7	7.9
22	10.5	10.0	10.2	10.0	9.4	9.6	9.1	8.8	9.0	8.2	7.9	8.1
23	10.8	10.0	10.4	10.2	9.7	10.0	9.1	8.8	8.9	8.3	7.9	8.2
24	11.0	10.6	10.8	10.3	10.2	10.2	9.0	8.7	8.9	8.2	7.8	8.0
25	11.1	10.1	10.8	10.5	10.2	10.4	9.2	8.8	9.0	8.0	7.8	7.9
26	11.3	10.8	11.1	11.1	10.6	10.8	9.4	9.0	9.2	8.1	7.9	8.0
27	11.6	10.5	11.4	11.0	10.6	10.8	9.5	9.0	9.2	8.4	8.1	8.3
28	11.8	11.2	11.4	10.7	10.2	10.5	9.3	8.8	9.1	8.8	8.4	8.6
29	---	---	---	10.2	9.8	10.0	9.4	8.6	9.0	8.7	8.5	8.6
30	---	---	---	10.7	9.8	10.3	9.3	8.5	8.8	8.6	8.3	8.4
31	---	---	---	10.8	10.2	10.5	---	---	---	8.3	8.1	8.2
MONTH	---	---	---	11.5	8.8	9.9	11.0	6.2	9.1	9.4	7.5	8.3

02156500 BROAD RIVER NEAR CARLISLE, S.C.

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.2	7.9	8.0	---	---	---	---	---	---	7.0	6.5	6.8
2	8.1	7.8	7.9	---	---	---	7.8	7.5	7.7	7.1	6.6	6.8
3	8.1	7.8	7.9	---	---	---	7.4	6.4	6.9	7.2	5.5	6.7
4	8.2	7.9	8.0	---	---	---	7.0	6.3	6.6	6.9	6.5	6.7
5	8.4	8.1	8.3	---	---	---	---	---	---	7.4	6.8	7.1
6	8.4	8.1	8.2	---	---	---	---	---	---	7.9	7.3	7.6
7	8.3	7.9	8.1	---	---	---	---	---	---	8.0	7.8	7.9
8	8.1	7.9	8.0	---	---	---	---	---	---	8.0	7.9	8.0
9	8.2	7.9	8.1	---	---	---	8.2	7.0	7.9	8.0	7.1	7.7
10	8.0	7.7	7.9	---	---	---	8.4	8.1	8.3	7.5	7.2	7.4
11	7.7	7.6	7.6	---	---	---	8.5	8.3	8.4	---	---	---
12	7.7	7.5	7.6	7.3	6.9	7.1	8.4	8.2	8.3	7.0	6.6	6.8
13	---	---	---	8.1	7.5	8.0	8.4	7.8	8.2	7.0	6.5	6.8
14	7.8	7.6	7.7	8.1	6.9	7.3	7.8	7.7	7.7	7.3	6.8	7.0
15	7.8	7.6	7.7	8.0	7.7	7.9	7.7	7.5	7.6	7.1	6.9	7.0
16	7.8	7.5	7.7	7.7	7.3	7.5	7.6	7.3	7.5	7.1	6.9	7.0
17	8.0	7.7	7.9	7.8	7.1	7.4	7.7	7.3	7.5	7.2	7.0	7.1
18	8.2	7.9	8.1	8.1	6.6	7.4	7.6	7.2	7.4	7.4	7.2	7.3
19	8.1	7.8	8.0	8.0	7.3	7.7	7.4	7.2	7.3	7.6	7.3	7.5
20	8.0	7.7	7.9	7.2	7.0	7.1	7.4	7.2	7.3	7.7	7.5	7.6
21	8.0	7.4	7.7	8.5	7.7	8.1	7.5	7.2	7.4	7.8	7.5	7.6
22	7.8	7.5	7.6	9.4	8.3	9.0	7.5	7.4	7.4	7.6	6.8	7.0
23	---	---	---	9.4	9.0	9.2	7.6	7.3	7.4	7.8	6.8	7.3
24	---	---	---	9.1	8.9	9.0	7.5	7.2	7.4	8.5	7.9	8.2
25	---	---	---	9.0	8.8	8.9	7.6	7.2	7.4	8.7	8.4	8.6
26	---	---	---	8.8	8.3	8.5	7.2	6.9	7.0	8.8	8.5	8.7
27	---	---	---	8.5	8.2	8.3	7.3	6.8	7.1	8.5	8.2	8.4
28	---	---	---	8.7	8.1	8.4	7.2	6.7	6.9	8.3	8.1	8.2
29	---	---	---	8.4	7.7	8.2	7.1	6.6	6.9	8.1	7.5	7.8
30	---	---	---	7.7	7.1	7.4	7.2	6.6	6.9	7.8	7.6	7.7
31	---	---	---	---	---	---	6.9	6.3	6.7	---	---	---
MONTH	---	---	---	---	---	---	8.5	6.3	7.4	8.8	5.5	7.5
YEAR	12.0	5.5	9.0									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.5	24.0	24.0	15.5	13.5	14.5	13.0	11.0	12.0	---	---	---
2	24.0	22.5	23.5	15.5	13.0	14.0	12.0	10.5	11.0	---	---	---
3	23.0	22.0	22.5	16.0	13.0	14.5	11.5	10.0	10.5	---	---	---
4	23.5	22.0	23.0	16.5	14.0	15.0	12.5	10.0	11.5	11.0	10.5	10.5
5	24.5	22.5	23.5	17.5	15.5	16.0	13.5	12.0	13.0	11.0	10.0	11.0
6	24.0	22.5	23.5	16.5	14.5	15.5	13.5	12.0	12.5	14.0	11.0	12.5
7	24.0	22.0	23.0	15.0	14.0	14.5	12.5	11.5	12.0	---	---	---
8	23.0	21.5	22.0	14.5	13.5	14.0	11.0	9.5	10.5	12.5	12.0	12.0
9	23.5	21.0	22.0	15.0	13.0	14.0	10.0	9.0	9.5	13.5	13.5	13.5
10	23.0	21.0	22.0	13.5	11.5	12.5	9.5	8.5	9.0	---	---	---
11	22.5	21.0	21.5	12.0	10.0	11.0	8.5	7.0	8.0	---	---	---
12	22.5	20.0	21.0	11.0	9.0	10.0	8.0	7.0	7.5	---	---	---
13	22.0	19.5	20.5	11.5	9.0	10.0	8.0	7.0	7.5	---	---	---
14	21.5	20.0	20.5	12.0	9.0	10.5	8.5	7.5	8.0	9.0	8.0	8.5
15	21.5	19.0	20.0	13.0	10.0	11.5	8.0	7.5	8.0	9.0	7.5	8.5
16	21.0	19.0	20.0	14.0	12.0	13.0	8.0	7.0	7.5	12.0	8.5	10.5
17	20.0	18.0	19.0	13.5	11.5	12.5	7.5	6.5	7.0	13.0	10.5	11.5
18	19.0	17.0	18.0	13.0	11.0	12.0	7.0	5.5	6.0	12.5	12.0	12.0
19	18.5	16.0	17.0	13.0	11.0	12.0	6.5	5.5	6.0	13.5	12.0	12.5
20	18.0	15.0	16.5	14.0	11.0	12.5	6.0	5.5	6.0	13.5	12.5	13.0
21	17.5	15.0	16.5	14.5	13.0	13.5	10.0	6.0	8.0	---	---	---
22	18.0	15.5	16.5	14.0	13.0	13.5	10.0	6.0	8.0	---	---	---
23	18.0	16.0	17.0	14.5	13.5	14.0	---	---	---	13.5	13.0	13.0
24	18.5	16.0	17.0	16.0	13.5	14.5	---	---	---	16.0	13.5	14.5
25	18.5	15.5	17.0	16.0	13.5	15.0	---	---	---	14.5	14.0	14.0
26	18.5	15.5	17.0	16.5	15.0	16.0	---	---	---	14.0	13.5	13.5
27	18.0	16.0	17.0	17.5	15.5	16.5	---	---	---	16.0	13.5	15.0
28	17.5	16.0	16.5	17.5	15.5	16.5	---	---	---	16.5	15.0	15.5
29	17.0	15.0	16.0	15.5	13.5	15.0	---	---	---	17.0	15.5	16.0
30	16.0	14.5	15.0	14.0	12.0	13.0	---	---	---	16.0	16.0	16.0
31	15.0	14.0	14.5	---	---	---	---	---	---	---	---	---
MONTH	24.5	14.0	19.5	17.5	9.0	13.5	---	---	---	---	---	---

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	14.0	10.0	12.0	17.5	13.5	15.5	23.0	21.0	22.5
2	---	---	---	16.5	11.5	13.5	17.5	16.0	17.0	23.0	21.5	22.5
3	---	---	---	14.5	13.0	13.5	20.0	17.0	18.5	22.5	21.0	22.0
4	---	---	---	---	---	---	19.0	17.0	18.5	21.0	20.0	20.5
5	12.0	10.5	11.5	16.0	15.0	15.5	18.5	16.5	17.0	21.0	18.5	19.5
6	10.5	10.0	10.0	18.0	16.0	17.0	17.5	15.5	16.5	19.5	18.0	18.5
7	12.0	10.0	10.5	19.5	17.0	18.0	---	---	---	18.5	17.5	18.0
8	12.0	11.0	11.5	20.0	17.5	18.5	---	---	---	18.5	17.0	18.0
9	11.0	10.5	11.0	20.0	17.5	19.0	---	---	---	20.0	18.0	19.5
10	---	---	---	20.5	18.0	19.0	---	---	---	21.5	19.5	20.0
11	8.5	8.0	8.5	19.0	17.0	18.0	16.5	15.5	15.5	21.5	19.0	20.5
12	9.5	7.0	8.0	17.0	15.0	16.5	19.0	15.0	17.0	22.5	20.5	21.5
13	10.5	7.5	9.5	15.5	14.0	14.5	20.5	17.5	19.0	23.0	20.0	21.5
14	13.5	10.0	11.5	15.0	13.0	14.0	22.0	19.0	20.5	22.0	19.0	21.0
15	12.5	11.0	12.0	14.5	12.5	13.5	23.0	19.0	21.0	22.5	20.0	21.5
16	11.0	9.5	10.0	15.0	13.0	14.0	19.5	17.0	18.0	24.5	21.5	23.0
17	---	---	---	14.0	12.0	13.0	18.5	16.5	17.5	25.5	23.0	24.5
18	---	---	---	13.5	11.5	12.5	17.5	15.5	16.5	27.0	24.0	25.5
19	---	---	---	14.5	12.0	13.5	17.5	15.5	16.5	27.5	25.5	26.5
20	11.0	10.5	10.5	16.0	14.0	15.0	18.0	16.0	17.0	26.5	25.0	25.5
21	13.0	10.0	11.5	17.0	15.0	16.0	18.5	16.5	17.5	25.0	24.0	24.5
22	14.0	12.5	13.5	15.5	14.5	15.0	19.0	17.5	18.0	25.0	23.0	24.0
23	---	---	---	14.0	13.0	13.5	19.5	18.0	18.5	24.0	23.0	23.5
24	---	---	---	13.5	12.0	13.0	19.0	17.5	18.0	25.5	22.5	24.0
25	10.5	9.0	10.0	12.5	11.0	12.0	18.0	16.0	17.5	25.5	23.5	24.5
26	10.5	7.5	9.0	12.0	10.5	11.0	18.5	15.5	17.0	24.5	22.5	23.5
27	11.0	7.0	9.0	12.5	11.0	11.5	19.0	16.5	18.0	23.0	22.0	22.5
28	12.0	7.5	9.5	14.0	12.0	13.0	20.0	17.0	18.5	23.0	21.5	22.0
29	---	---	---	14.5	13.0	13.5	21.0	18.5	20.0	23.5	21.0	22.0
30	---	---	---	15.0	13.5	14.0	22.0	19.5	21.0	24.0	22.0	23.0
31	---	---	---	15.5	13.0	14.0	---	---	---	25.5	23.5	24.5
MONTH	---	---	---	20.5	10.0	14.5	23.0	13.5	18.0	27.5	17.0	22.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.0	24.5	25.0	---	---	---	30.0	27.0	28.0	27.5	26.5	27.0
2	25.5	24.5	25.0	---	---	---	27.5	26.0	27.0	28.0	26.0	27.0
3	24.5	23.5	24.0	---	---	---	27.0	24.5	26.0	27.5	26.0	27.0
4	24.5	23.0	23.5	---	---	---	26.5	25.5	26.0	26.5	25.0	26.0
5	24.5	22.5	23.5	---	---	---	---	---	---	25.0	23.5	24.0
6	25.0	23.5	24.0	---	---	---	---	---	---	23.5	21.5	22.0
7	26.0	24.0	25.0	---	---	---	---	---	---	21.5	21.0	21.0
8	24.5	24.0	24.5	---	---	---	---	---	---	21.5	20.5	21.0
9	26.5	23.0	24.5	---	---	---	23.5	22.0	23.0	22.0	21.0	21.5
10	27.0	23.5	25.0	---	---	---	24.0	23.5	24.0	22.5	21.5	22.5
11	26.5	24.0	25.5	---	---	---	24.0	23.5	24.0	---	---	---
12	26.0	25.0	25.5	27.0	26.0	26.5	24.0	23.5	24.0	25.5	25.0	25.0
13	---	---	---	27.0	26.0	26.5	24.5	24.0	24.5	27.0	24.5	26.0
14	25.0	24.5	24.5	27.5	25.5	26.5	25.0	24.0	24.5	26.5	25.0	26.0
15	25.5	24.0	24.5	28.5	25.5	27.0	25.5	24.5	25.0	26.0	25.0	25.5
16	26.0	24.5	25.0	28.5	27.0	27.5	25.5	24.5	25.0	25.0	24.5	24.5
17	25.5	23.5	24.5	29.0	27.0	28.0	26.0	25.0	25.5	24.5	24.0	24.5
18	25.0	23.0	24.0	30.0	27.0	28.5	27.0	25.0	26.0	24.5	23.5	24.0
19	24.5	23.0	24.0	29.5	27.5	28.5	27.0	26.0	26.5	24.5	22.5	23.5
20	25.5	23.5	24.5	29.0	28.0	28.5	26.5	26.0	26.0	24.0	22.5	23.0
21	25.5	24.5	25.0	29.0	27.0	28.0	26.5	25.5	26.0	24.0	22.5	23.5
22	27.0	24.5	25.5	29.0	26.0	27.5	25.5	25.0	25.5	24.0	22.0	23.0
23	---	---	---	26.5	25.0	26.0	26.5	25.0	25.5	22.5	20.5	21.5
24	---	---	---	25.5	24.5	25.0	26.5	25.5	26.0	20.5	19.5	20.0
25	---	---	---	26.0	24.0	25.0	27.0	26.0	26.5	19.5	18.5	18.5
26	---	---	---	26.0	24.5	25.0	28.0	26.0	27.0	19.5	17.5	18.5
27	---	---	---	26.0	25.0	25.5	27.5	26.0	27.0	20.0	18.5	19.0
28	---	---	---	27.0	24.5	26.0	27.5	27.0	27.0	21.0	19.5	20.5
29	---	---	---	28.0	25.5	27.0	28.5	26.5	27.5	22.5	20.5	21.5
30	---	---	---	29.5	26.5	28.0	28.0	27.0	27.5	21.5	20.5	21.0
31	---	---	---	29.5	27.5	28.0	27.5	27.0	27.0	---	---	---
MONTH	---	---	---	---	---	---	30.0	22.0	26.0	28.0	17.5	23.0
YEAR	30.0	5.5	18.5									

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.3	7.1	7.2	7.3	7.2	7.2	---	---	---
2	---	---	---	7.3	7.1	7.2	7.2	7.1	7.2	---	---	---
3	---	---	---	7.3	7.1	7.2	7.4	7.2	7.3	---	---	---
4	---	---	---	7.3	7.0	7.1	7.4	7.2	7.3	6.9	6.9	6.9
5	---	---	---	7.3	7.0	7.1	7.3	7.2	7.2	7.0	6.9	7.0
6	---	---	---	7.4	7.1	7.2	7.5	7.2	7.2	7.0	6.9	7.0
7	---	---	---	7.2	7.1	7.1	7.2	7.0	7.1	---	---	---
8	---	---	---	7.3	7.1	7.2	7.1	7.0	7.0	7.1	6.8	6.9
9	---	---	---	7.3	7.1	7.2	7.1	7.1	7.1	7.2	7.1	7.2
10	---	---	---	7.4	7.2	7.3	7.2	7.1	7.2	---	---	---
11	7.2	7.1	7.2	7.4	7.2	7.3	7.2	7.2	7.2	---	---	---
12	7.2	7.0	7.1	7.5	7.2	7.3	7.3	7.2	7.2	---	---	---
13	7.2	7.0	7.1	7.6	7.2	7.3	7.2	7.2	7.2	---	---	---
14	7.2	7.1	7.1	7.5	7.2	7.3	7.3	7.2	7.2	6.9	6.9	6.9
15	7.3	7.1	7.2	7.6	7.2	7.3	7.2	7.2	7.2	7.0	6.9	6.9
16	7.3	7.1	7.2	7.5	7.2	7.3	7.2	7.2	7.2	7.0	6.9	6.9
17	7.4	7.1	7.2	7.5	7.2	7.3	7.2	7.2	7.2	7.0	6.9	7.0
18	7.4	7.2	7.3	7.5	7.2	7.3	7.2	7.1	7.2	7.0	7.0	7.0
19	7.4	7.2	7.3	7.7	7.2	7.4	7.2	7.1	7.2	7.0	7.0	7.0
20	7.4	7.2	7.2	7.8	7.2	7.4	7.1	7.1	7.1	7.1	7.0	7.0
21	7.3	7.1	7.2	7.5	7.2	7.3	7.6	7.1	7.3	7.1	7.0	7.1
22	7.4	7.1	7.2	7.4	7.2	7.3	7.6	7.4	7.5	7.1	6.9	6.9
23	7.4	7.1	7.2	7.3	7.2	7.2	---	---	---	7.0	6.7	6.9
24	7.4	7.1	7.2	7.4	7.2	7.3	---	---	---	7.0	6.9	6.9
25	7.4	7.1	7.2	7.3	7.2	7.2	---	---	---	7.0	6.9	7.0
26	7.4	7.1	7.2	7.3	7.2	7.2	---	---	---	7.0	7.0	7.0
27	7.3	7.1	7.2	7.3	7.2	7.2	---	---	---	7.1	7.0	7.1
28	7.3	7.0	7.1	7.3	7.2	7.2	---	---	---	7.1	7.1	7.1
29	7.3	7.0	7.1	7.4	7.2	7.3	---	---	---	7.2	7.1	7.1
30	7.2	7.0	7.1	7.3	7.2	7.3	---	---	---	7.1	7.1	7.1
31	7.3	7.1	7.2	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	7.8	7.0	7.3	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.0	6.9	7.0	6.9	6.8	6.9	7.2	6.9	7.1
2	---	---	---	7.1	6.9	7.0	7.2	6.8	7.0	7.3	6.9	7.0
3	---	---	---	7.1	7.0	7.0	7.3	7.1	7.2	7.1	6.8	6.9
4	---	---	---	---	---	---	7.4	7.1	7.2	6.9	6.8	6.8
5	6.9	6.7	6.8	6.9	6.9	6.9	7.1	6.7	6.9	6.8	6.7	6.7
6	6.9	6.8	6.9	6.9	6.8	6.9	7.0	6.8	6.9	6.9	6.7	6.8
7	6.9	6.8	6.8	7.0	6.8	6.9	7.5	6.9	7.2	6.9	6.8	6.8
8	6.9	6.8	6.9	7.0	6.8	6.9	7.4	7.2	7.3	6.9	6.7	6.8
9	6.9	6.8	6.8	7.1	6.8	6.9	7.3	7.1	7.3	7.0	6.8	6.9
10	---	---	---	7.1	6.9	7.0	---	---	---	7.0	6.8	6.9
11	6.9	6.7	6.8	7.0	6.9	6.9	7.2	7.2	7.2	6.8	6.7	6.7
12	6.8	6.8	6.8	7.0	6.9	7.0	7.4	6.9	7.1	6.9	6.8	6.8
13	6.9	6.8	6.8	7.1	6.9	7.0	7.1	6.9	7.0	6.9	6.7	6.8
14	7.0	6.9	6.9	7.5	7.0	7.2	7.1	7.0	7.1	6.9	6.7	6.8
15	7.0	6.9	6.9	7.2	7.0	7.1	7.1	6.9	7.0	6.9	6.8	6.8
16	7.0	6.9	7.0	7.1	7.0	7.0	7.4	6.9	7.1	7.0	6.8	6.9
17	---	---	---	7.2	7.0	7.1	6.8	6.7	6.7	7.0	6.8	6.9
18	---	---	---	7.2	7.0	7.1	6.8	6.6	6.7	7.0	6.9	7.0
19	---	---	---	---	---	---	6.8	6.6	6.7	7.1	6.9	7.0
20	6.9	6.8	6.9	---	---	---	6.8	6.6	6.7	7.1	7.0	7.0
21	6.9	6.8	6.9	---	---	---	6.8	6.6	6.7	7.1	7.0	7.0
22	7.0	6.8	6.9	---	---	---	6.9	6.7	6.8	7.1	7.0	7.0
23	7.0	6.9	6.9	---	---	---	6.9	6.7	6.8	7.0	6.9	7.0
24	6.9	6.8	6.9	---	---	---	6.9	6.7	6.8	7.1	6.9	7.0
25	7.2	6.8	6.9	---	---	---	6.9	6.7	6.8	7.1	7.0	7.0
26	7.0	6.9	7.0	---	---	---	6.9	6.7	6.8	7.1	7.0	7.0
27	7.0	6.9	7.0	---	---	---	7.0	6.7	6.8	7.1	7.0	7.1
28	7.0	6.9	7.0	---	---	---	7.0	6.8	6.9	7.2	7.0	7.1
29	---	---	---	---	---	---	7.1	6.8	6.9	7.2	7.0	7.1
30	---	---	---	7.3	6.9	7.1	7.2	6.8	7.0	7.1	7.0	7.1
31	---	---	---	6.9	6.8	6.9	---	---	---	7.1	6.9	7.0
MONTH	---	---	---	---	---	---	7.5	6.6	6.9	7.3	6.7	6.9

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	6.9	7.0	---	---	---	7.0	6.9	6.9	6.7	6.6	6.6
2	7.1	6.9	7.0	---	---	---	7.0	6.8	6.9	6.7	6.6	6.6
3	7.0	6.8	6.9	---	---	---	6.9	6.7	6.8	6.7	6.4	6.6
4	7.0	6.9	6.9	---	---	---	6.9	6.7	6.8	6.6	6.5	6.6
5	7.1	6.9	7.0	---	---	---	---	---	---	6.7	6.5	6.6
6	7.1	6.9	7.0	---	---	---	---	---	---	6.6	6.5	6.6
7	7.2	6.9	7.1	---	---	---	---	---	---	6.7	6.5	6.6
8	7.1	7.0	7.0	---	---	---	---	---	---	6.7	6.7	6.7
9	7.0	6.9	6.9	---	---	---	6.9	6.9	6.9	6.8	6.7	6.7
10	7.0	6.9	6.9	7.3	6.9	7.1	6.9	6.8	6.8	6.9	6.8	6.8
11	7.1	6.9	7.0	7.1	7.0	7.1	6.9	6.8	6.9	---	---	---
12	7.0	6.9	7.0	7.0	7.0	7.0	6.9	6.8	6.8	7.1	6.7	6.8
13	---	---	---	7.0	6.9	7.0	6.9	6.8	6.9	6.7	6.5	6.6
14	6.9	6.8	6.9	7.1	7.0	7.0	6.8	6.8	6.8	6.7	6.6	6.7
15	7.0	6.8	6.9	7.3	6.9	7.1	6.8	6.7	6.8	6.7	6.6	6.7
16	7.0	6.9	7.0	7.2	7.0	7.1	6.7	6.7	6.7	6.6	6.5	6.6
17	7.1	6.9	7.0	7.4	7.0	7.2	6.8	6.7	6.7	6.6	6.5	6.6
18	7.1	6.9	7.0	7.4	7.1	7.2	6.8	6.7	6.7	6.7	6.5	6.6
19	7.0	6.9	7.0	7.5	7.1	7.3	6.8	6.7	6.8	6.7	6.6	6.7
20	7.0	6.9	7.0	7.2	7.0	7.1	6.8	6.7	6.7	6.7	6.6	6.7
21	7.0	6.9	7.0	7.2	7.0	7.1	6.8	6.7	6.8	6.8	6.7	6.7
22	7.1	7.0	7.0	7.3	7.0	7.1	6.8	6.7	6.7	6.9	6.7	6.8
23	---	---	---	7.1	7.0	7.1	6.8	6.7	6.7	6.9	6.8	6.9
24	---	---	---	7.0	6.9	7.0	6.8	6.7	6.7	6.9	6.8	6.9
25	---	---	---	7.0	6.9	6.9	6.8	6.7	6.7	6.9	6.9	6.9
26	---	---	---	6.9	6.8	6.9	6.8	6.6	6.7	7.0	6.9	6.9
27	---	---	---	6.9	6.8	6.8	6.8	6.6	6.7	7.0	6.8	6.9
28	---	---	---	7.1	6.8	6.9	6.7	6.6	6.7	7.0	6.9	7.0
29	---	---	---	7.0	6.8	6.9	6.7	6.6	6.7	7.0	6.8	6.9
30	---	---	---	7.0	6.8	6.9	6.7	6.6	6.7	6.9	6.7	6.8
31	---	---	---	7.0	6.8	6.9	6.7	6.5	6.6	---	---	---
ONTH	---	---	---	---	---	---	7.0	6.5	6.8	7.1	6.4	6.7
YEAR	7.8	6.4	7.0									

02160105 TYGER RIVER NEAR DELTA, S.C.

LOCATION.--Lat 34°32'07", long 81°32'54", Union County, at gaging station on right bank, 0.9 mi (1.4 km) downstream from Seaboard Coast Line Railroad bridge, 0.8 mi (1.3 km) southeast of Delta and at mile 9.0 (14.5 km).

DRAINAGE AREA.--759 mi² (1966 km²).

PERIOD OF RECORD.--Chemical analyses: November 1971 to current year.
Water temperature: October 1973 to September 1974.

EXTREMES, CURRENT YEAR.--Specific conductance: Maximum, 181 micromhos Oct. 20; minimum, 50 micromhos April 7.
Dissolved Oxygen: Maximum 12.3 mg/l Feb. 26 and 27; minimum 5.9 mg/l Oct. 2.
Temperature: Maximum, 28.0°C May 19, Aug 29 and 30; minimum 3.5°C Dec. 23.
pH: Maximum, 8.7 units May 27; minimum, 6.2 units April 5, 6 and 7.

Period of record: Specific conductance: Maximum, 181 micromhos Oct. 20, 1973; minimum, 50 micromhos April 7, 1974.
Dissolved Oxygen: Maximum 12.3 mg/l Feb. 26 and 27, 1974; minimum 5.9 mg/l Oct. 2, 1973.
Temperature: Maximum, 28.0°C May 19, Aug. 29 and 30, 1974; minimum 3.5°C Dec. 23, 1973.
pH: Maximum, 8.7 units May 27, 1974, minimum, 6.2 units April 5, 6 and 7, 1974.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	154	121	143	---	---	---	153	148	151	---	---	---
2	120	70	106	---	---	---	159	148	155	---	---	---
3	114	73	94	---	---	---	160	133	151	---	---	---
4	135	116	127	---	---	---	131	101	113	---	---	---
5	147	136	143	---	---	---	117	98	104	---	---	---
6	149	143	147	---	---	---	122	116	119	---	---	---
7	154	146	151	---	---	---	115	106	110	---	---	---
8	160	147	155	---	---	---	105	105	105	70	68	69
9	144	119	130	166	163	165	---	---	---	88	71	80
10	117	110	113	166	163	164	---	---	---	102	89	94
11	147	115	135	163	158	161	---	---	---	106	102	104
12	165	147	157	160	152	158	---	---	---	111	105	108
13	169	163	166	150	141	145	122	119	120	113	110	111
14	168	165	166	---	---	---	127	122	125	113	106	109
15	169	162	166	---	---	---	131	128	130	106	90	98
16	160	126	141	---	---	---	---	---	---	108	89	95
17	125	117	121	---	---	---	---	---	---	116	109	113
18	163	121	147	---	---	---	95	92	94	121	100	118
19	175	160	170	167	160	165	114	92	99	134	121	126
20	181	176	179	159	139	147	124	115	120	134	131	133
21	179	171	175	137	114	123	127	116	120	132	85	99
22	170	167	169	148	116	136	137	129	135	84	65	69
23	168	138	156	158	148	154	128	100	120	---	---	---
24	136	112	124	156	149	154	120	97	109	---	---	---
25	160	114	141	150	147	149	96	91	93	---	---	---
26	170	160	166	151	141	148	91	89	90	---	---	---
27	179	169	173	139	117	126	91	86	89	---	---	---
28	177	170	174	117	111	113	100	85	92	---	---	---
29	172	158	166	144	119	138	98	96	97	---	---	---
30	156	128	143	149	145	148	103	98	100	---	---	---
31	127	123	124	---	---	---	101	71	86	---	---	---
MONTH	181	70	147	---	---	---	160	71	113	---	---	---

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	105	100	104	109	106	108	77	72	74	103	86	91
2	107	104	106	115	109	111	72	70	71	115	107	111
3	106	86	100	116	110	113	94	71	84	127	121	124
4	84	68	74	110	94	105	99	69	94	127	114	122
5	69	67	68	93	82	88	64	50	57	113	106	110
6	90	70	82	97	82	86	57	55	56	110	98	103
7	86	65	79	119	99	113	61	50	56	97	81	87
8	67	64	66	128	120	125	65	60	64	101	79	89
9	64	62	63	132	127	130	65	60	63	116	100	107
10	70	60	67	133	129	131	78	63	72	125	117	121
11	72	69	71	136	113	130	84	78	82	129	123	126
12	70	69	69	111	92	100	93	84	89	130	119	124
13	91	71	83	102	90	93	94	89	92	124	93	106
14	95	91	93	124	105	118	91	77	87	92	77	84
15	98	94	96	126	124	125	90	74	82	98	77	85
16	97	72	84	129	125	127	73	71	72	114	100	106
17	79	72	74	130	128	129	88	71	78	125	100	119
18	79	77	79	132	112	124	97	88	93	131	126	129
19	77	71	74	110	92	99	102	98	99	136	132	134
20	89	70	79	100	91	93	107	102	105	138	123	133
21	96	90	92	124	103	118	108	105	106	---	---	---
22	98	89	92	129	122	125	108	100	105	---	---	---
23	94	88	91	130	115	121	101	83	91	105	91	97
24	91	83	86	117	104	113	104	82	90	115	105	110
25	82	74	77	104	93	97	109	104	106	110	102	105
26	76	74	75	93	86	89	111	107	109	107	101	103
27	94	76	80	97	85	89	114	111	113	108	95	102
28	107	95	101	111	98	104	119	114	117	95	85	90
29	---	---	---	116	111	114	119	107	116	101	84	92
30	---	---	---	117	89	109	107	87	97	111	100	104
31	---	---	---	88	77	81	---	---	---	123	110	117
MONTH	107	60	82	136	77	110	119	50	87	138	77	108

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	129	123	127	129	113	124	128	104	120	157	151	154
2	133	122	129	112	101	109	139	129	136	154	140	149
3	124	99	111	101	93	97	144	132	139	140	99	121
4	98	84	89	94	89	92	136	127	132	105	99	102
5	103	84	88	92	86	90	135	128	133	100	97	99
6	122	105	116	86	44	72	131	98	113	109	96	103
7	130	123	127	62	39	50	100	89	94	112	108	109
8	131	123	127	46	38	41	114	101	105	126	114	123
9	131	115	121	62	44	53	101	86	91	128	121	125
10	119	101	109	81	60	69	97	87	94	120	105	112
11	102	94	99	95	81	87	98	92	97	105	98	102
12	109	94	97	107	95	102	99	89	94	130	101	119
13	133	111	126	119	109	114	93	71	86	137	130	135
14	140	133	138	116	112	114	91	71	84	139	135	137
15	146	141	144	122	114	119	102	92	96	143	135	140
16	153	145	150	115	100	110	116	102	106	141	137	139
17	154	132	147	101	96	98	123	96	105	136	112	125
18	129	104	116	128	103	120	119	110	117	111	101	106
19	110	100	103	139	128	135	119	111	117	127	103	119
20	144	113	135	143	135	140	111	96	104	134	127	132
21	152	142	148	153	142	149	100	94	95	143	134	139
22	159	150	157	165	153	160	127	102	119	150	141	147
23	161	150	156	159	147	157	136	127	133	156	150	153
24	159	153	156	145	120	129	144	135	141	149	120	135
25	154	131	148	153	121	141	152	143	148	124	107	114
26	130	122	126	158	147	154	153	148	150	135	107	119
27	145	125	139	154	124	142	147	118	135	149	136	143
28	140	82	103	123	117	119	116	107	112	150	129	147
29	112	89	101	126	105	119	137	108	127	122	100	108
30	122	112	116	104	89	96	150	138	145	108	106	106
31	---	---	---	103	88	91	153	149	152	---	---	---
MONTH	161	82	125	165	38	109	153	71	117	157	96	125
YEAR	181	50	114									

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	6.4	6.7	---	---	---	10.5	10.0	10.3	---	---	---
2	7.3	5.9	6.6	---	---	---	10.6	10.3	10.5	---	---	---
3	7.1	6.1	6.3	---	---	---	10.8	10.4	10.6	---	---	---
4	7.2	7.0	7.1	---	---	---	10.3	9.7	10.1	---	---	---
5	7.4	6.7	7.1	---	---	---	9.7	8.9	9.3	---	---	---
6	7.1	6.6	6.8	---	---	---	9.2	8.7	9.0	---	---	---
7	---	---	---	---	---	---	10.1	9.1	9.7	---	---	---
8	---	---	---	---	---	---	10.1	10.1	10.1	10.5	10.0	10.2
9	---	---	---	8.7	8.5	8.6	---	---	---	10.3	10.2	10.3
10	---	---	---	9.9	8.4	9.0	---	---	---	10.2	9.7	10.0
11	---	---	---	9.9	9.2	9.5	---	---	---	9.8	9.0	9.3
12	8.4	8.0	8.1	---	---	---	---	---	---	9.4	8.9	9.1
13	8.5	8.2	8.4	---	---	---	10.6	10.0	10.3	10.5	9.7	10.1
14	8.4	8.1	8.2	---	---	---	10.0	9.7	9.8	11.1	10.7	10.9
15	8.4	7.9	8.2	---	---	---	10.0	9.8	9.9	11.1	10.6	10.9
16	8.6	8.0	8.4	---	---	---	---	---	---	10.7	9.7	10.2
17	9.1	8.5	8.8	---	---	---	---	---	---	9.6	9.1	9.3
18	9.3	8.8	9.1	---	---	---	11.5	11.4	11.5	9.4	9.1	9.3
19	9.2	8.6	8.9	9.9	9.7	9.8	11.6	11.2	11.4	9.4	9.2	9.3
20	8.9	8.6	8.8	9.8	9.5	9.7	11.2	10.5	10.8	9.2	9.0	9.1
21	8.8	8.3	8.6	9.5	9.0	9.2	10.5	10.1	10.3	9.2	8.8	8.9
22	8.5	8.3	8.5	9.0	8.9	8.9	11.3	10.5	10.9	9.2	8.7	8.9
23	8.7	8.4	8.5	9.0	8.8	8.9	11.6	11.3	11.4	---	---	---
24	9.1	8.4	8.9	9.0	8.8	8.9	11.4	11.0	11.3	---	---	---
25	9.0	8.7	8.9	9.0	8.7	8.9	11.1	10.6	10.9	---	---	---
26	8.8	8.6	8.7	8.7	8.5	8.6	10.8	10.1	10.4	---	---	---
27	8.7	8.5	8.6	8.9	8.6	8.7	10.0	9.2	9.6	---	---	---
28	8.6	8.4	8.5	8.7	8.5	8.5	10.2	9.8	10.0	---	---	---
29	9.1	7.8	8.4	9.4	8.5	9.0	10.7	10.2	10.5	---	---	---
30	9.2	8.7	8.9	10.1	9.4	9.9	10.5	9.8	10.1	---	---	---
31	9.3	8.9	9.1	---	---	---	9.8	9.6	9.7	---	---	---
MONTH	9.3	5.9	8.2	---	---	---	11.6	8.7	10.3	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	9.8	9.9	11.0	9.8	10.5	8.6	8.2	8.5	7.5	6.5	7.0
2	9.8	9.4	9.7	9.8	8.9	9.3	8.4	8.0	8.2	6.6	6.3	6.5
3	9.4	9.1	9.2	9.0	8.7	8.9	8.5	8.0	8.2	7.8	6.4	7.1
4	9.9	9.0	9.5	8.9	8.6	8.8	8.4	8.1	8.2	7.3	6.6	7.0
5	11.0	9.9	10.6	8.8	8.6	8.7	8.6	7.1	8.2	7.3	6.5	6.7
6	11.1	11.0	11.0	8.6	8.4	8.5	8.4	7.8	8.1	7.7	7.4	7.6
7	11.0	10.5	10.8	8.5	8.2	8.3	9.0	8.5	8.8	9.5	7.8	8.6
8	10.4	10.1	10.2	8.4	7.9	8.2	9.1	8.7	8.9	9.7	9.2	9.4
9	10.9	10.2	10.6	8.4	7.9	8.2	9.5	9.2	9.3	9.3	8.7	9.1
10	11.4	10.7	11.1	8.4	8.0	8.2	9.2	8.9	9.1	8.6	8.4	8.5
11	11.4	10.1	10.7	8.6	8.0	8.3	9.1	8.9	9.0	8.4	8.1	8.2
12	10.5	10.1	10.4	9.3	8.7	9.0	9.2	8.9	9.1	8.1	7.5	7.8
13	10.3	9.8	10.2	9.6	9.0	9.3	8.9	8.4	8.6	8.1	7.8	8.0
14	10.1	9.7	9.9	9.8	9.2	9.5	8.7	8.6	8.7	8.2	8.0	8.1
15	9.8	9.5	9.6	10.1	9.5	9.8	8.7	8.5	8.6	8.2	7.7	8.0
16	10.3	9.8	10.1	9.5	9.3	9.5	9.1	8.7	8.9	7.7	7.2	7.5
17	10.7	10.2	10.5	10.1	9.3	9.7	9.2	8.9	9.1	7.2	6.8	7.0
18	10.7	10.3	10.5	10.4	9.8	10.1	9.4	9.2	9.3	6.8	6.6	6.8
19	10.4	10.2	10.3	10.0	9.4	9.8	9.5	9.2	9.3	6.7	6.4	6.5
20	11.4	10.2	10.8	9.3	8.8	9.1	9.3	9.1	9.2	6.6	6.3	6.4
21	11.7	11.1	11.5	8.9	8.5	8.7	9.2	8.8	9.0	---	---	---
22	11.1	10.2	10.5	9.6	8.5	9.1	8.9	8.4	8.7	---	---	---
23	10.9	10.2	10.6	9.8	9.1	9.5	8.6	8.2	8.4	7.6	6.7	7.3
24	11.4	10.8	11.1	9.9	9.5	9.7	8.8	8.3	8.6	---	---	---
25	11.7	11.0	11.3	10.4	9.4	9.9	9.2	8.5	8.9	---	---	---
26	12.3	11.8	12.1	10.6	9.9	10.3	9.1	8.8	8.9	---	---	---
27	12.3	11.6	12.0	10.0	9.6	9.8	8.9	8.5	8.7	---	---	---
28	11.8	11.1	11.5	9.7	9.0	9.4	8.5	8.1	8.5	8.5	8.1	8.3
29	---	---	---	8.9	8.6	8.7	8.1	7.8	8.0	8.3	7.0	7.5
30	---	---	---	8.7	8.5	8.6	7.9	7.1	7.6	8.4	8.0	8.2
31	---	---	---	8.7	8.5	8.6	---	---	---	8.1	7.5	7.9
MONTH	12.3	9.0	10.6	11.0	7.9	9.2	9.5	7.1	8.7	9.7	6.3	7.6

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	7.5	7.7	7.9	7.7	7.8	7.1	6.9	7.0	7.3	7.0	7.2
2	7.8	7.7	7.7	7.9	7.6	7.8	7.1	6.9	7.0	7.3	7.0	7.1
3	8.0	7.0	7.7	7.9	7.6	7.7	7.2	6.9	7.1	7.3	6.9	7.1
4	7.5	7.2	7.4	7.9	7.5	7.7	6.9	6.8	6.9	7.7	7.2	7.5
5	7.8	7.3	7.6	7.8	7.5	7.7	7.0	6.8	6.9	8.2	7.8	8.0
6	7.6	7.3	7.4	7.8	7.2	7.5	7.2	6.9	7.1	8.5	8.2	8.4
7	7.7	7.4	7.5	7.3	7.0	7.1	7.5	7.3	7.4	8.3	8.2	8.2
8	---	---	---	7.2	6.6	6.9	7.3	6.7	7.0	8.2	8.0	8.1
9	---	---	---	6.7	6.4	6.6	6.8	6.7	6.7	8.1	7.5	7.8
10	---	---	---	6.8	6.7	6.7	6.7	6.3	6.5	7.9	7.5	7.8
11	7.6	7.3	7.4	6.8	6.6	6.8	6.5	6.4	6.4	7.8	7.6	7.7
12	7.5	7.1	7.3	6.9	6.8	6.9	6.6	6.0	6.5	7.6	7.3	7.5
13	7.7	7.4	7.6	7.1	6.9	7.0	7.4	7.1	7.2	7.5	7.2	7.4
14	7.8	6.7	7.4	7.2	6.9	7.0	7.5	7.3	7.4	7.4	7.2	7.3
15	7.0	6.6	6.9	7.0	6.8	6.9	7.4	7.3	7.4	7.5	7.2	7.4
16	7.0	6.5	6.8	7.1	6.8	7.0	7.4	7.3	7.3	7.8	7.5	7.6
17	7.3	6.9	7.1	7.2	6.9	7.1	7.4	7.2	7.3	7.7	7.5	7.6
18	8.1	7.3	7.7	7.2	6.8	7.0	7.3	7.1	7.2	7.9	7.6	7.8
19	8.1	7.5	7.8	7.0	6.6	6.8	7.3	7.1	7.2	8.1	7.8	7.9
20	8.0	6.9	7.4	7.0	6.6	6.8	7.5	7.3	7.4	8.1	7.8	8.0
21	7.8	6.8	7.3	6.9	6.7	6.8	7.7	7.5	7.6	8.0	7.6	7.8
22	7.5	6.6	7.2	7.1	6.8	7.0	7.7	7.5	7.6	8.2	7.6	7.9
23	7.2	6.7	6.9	7.4	6.9	7.2	7.7	7.4	7.6	8.7	8.3	8.5
24	7.6	7.3	7.5	7.5	7.2	7.4	7.5	7.3	7.4	9.1	8.7	8.9
25	---	---	---	7.4	7.0	7.3	7.4	7.2	7.3	9.3	9.1	9.2
26	7.7	6.7	7.4	7.0	6.9	6.9	7.4	7.1	7.2	9.3	8.7	9.0
27	7.7	7.5	7.7	6.9	6.8	6.8	7.4	7.1	7.3	8.8	8.2	8.5
28	7.8	6.5	6.9	7.1	6.8	7.0	7.5	7.2	7.3	8.3	7.8	8.1
29	7.2	6.9	7.1	6.8	6.8	6.8	7.4	7.0	7.2	7.9	7.4	7.6
30	7.6	7.4	7.5	7.0	6.8	6.8	7.3	7.0	7.1	8.3	7.7	8.0
31	---	---	---	7.1	6.8	6.9	7.3	7.0	7.1	---	---	---
MONTH	8.1	6.5	7.4	7.9	6.4	7.1	7.7	6.0	7.1	9.3	6.9	7.9
YEAR	12.3	5.9	8.5									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	22.5	23.0	---	---	---	11.0	9.0	10.0	---	---	---
2	25.5	22.0	23.5	---	---	---	10.0	9.0	9.5	---	---	---
3	26.5	22.5	24.5	---	---	---	10.0	8.0	9.0	---	---	---
4	24.0	21.5	23.0	---	---	---	12.5	9.5	11.0	---	---	---
5	24.0	21.5	22.5	---	---	---	14.0	12.5	13.5	---	---	---
6	24.0	21.5	22.5	---	---	---	13.5	11.5	12.5	---	---	---
7	---	---	---	---	---	---	11.0	9.5	10.0	---	---	---
8	---	---	---	---	---	---	9.5	9.5	9.5	11.5	10.5	11.0
9	---	---	---	14.5	13.5	14.0	---	---	---	11.5	10.5	11.0
10	---	---	---	13.0	10.0	11.5	---	---	---	14.0	11.0	12.5
11	---	---	---	10.5	8.5	9.5	---	---	---	15.5	13.0	14.5
12	20.5	18.5	19.5	11.5	7.5	9.5	---	---	---	14.0	11.5	13.5
13	20.0	17.0	18.5	---	---	---	8.5	8.0	8.5	11.0	9.0	10.0
14	20.0	18.0	19.0	---	---	---	9.0	8.0	8.5	8.0	7.0	7.5
15	20.5	17.0	18.5	---	---	---	8.5	7.5	8.5	9.5	7.5	8.0
16	18.5	17.0	18.0	---	---	---	---	---	---	12.0	9.0	11.0
17	18.0	15.0	16.5	---	---	---	---	---	---	13.5	11.5	12.5
18	17.0	13.0	15.0	---	---	---	5.5	5.0	5.5	13.0	12.0	12.0
19	17.0	14.0	15.5	11.5	10.5	11.0	6.0	4.0	5.0	13.0	11.5	12.0
20	17.5	14.0	15.5	13.0	10.5	11.5	7.5	5.5	6.5	13.5	12.5	13.0
21	17.5	14.5	16.0	14.0	12.5	13.5	7.5	6.0	7.0	15.0	13.5	14.0
22	18.0	15.5	16.5	14.0	13.0	13.5	6.0	4.0	5.0	14.5	13.0	13.5
23	18.5	15.5	16.5	14.5	13.5	13.5	6.0	3.5	5.0	---	---	---
24	17.5	15.0	16.0	15.0	13.0	14.0	7.0	4.5	6.0	---	---	---
25	17.0	14.5	15.5	15.5	13.0	14.5	8.5	7.0	7.5	---	---	---
26	17.5	14.5	16.0	16.5	14.5	15.5	---	---	---	---	---	---
27	17.5	15.0	16.0	17.0	15.5	16.0	---	---	---	---	---	---
28	17.0	15.0	16.0	17.0	15.5	16.5	10.0	9.0	9.5	---	---	---
29	17.0	15.0	16.0	15.0	12.0	13.5	9.5	7.5	8.5	---	---	---
30	14.0	13.5	14.0	12.0	10.0	11.0	11.5	9.0	10.5	---	---	---
31	13.5	13.0	13.0	---	---	---	13.0	11.5	12.0	---	---	---
MONTH	26.5	13.0	18.0	---	---	---	---	---	---	---	---	---

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MAHCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.0	12.5	12.5	11.5	8.0	10.0	19.0	15.0	17.0	27.0	21.0	24.5
2	14.5	12.0	13.5	14.0	11.5	12.5	19.0	17.5	18.0	27.0	22.5	25.0
3	15.5	14.0	15.0	15.5	13.0	14.5	20.0	17.5	19.0	22.5	19.5	21.0
4	14.5	12.0	13.5	16.5	14.0	15.5	19.5	17.5	19.0	21.0	20.0	20.5
5	11.5	9.5	10.5	17.5	15.0	16.5	18.0	17.0	17.5	20.0	17.5	19.0
6	9.5	9.0	9.0	18.5	16.0	17.5	17.0	15.5	16.0	18.5	16.0	17.5
7	11.5	9.5	10.5	19.5	16.5	18.0	16.0	14.0	15.0	19.5	16.5	17.5
8	11.5	11.0	11.5	20.0	17.5	18.5	15.0	14.0	14.0	19.0	16.0	18.0
9	11.0	9.5	10.0	20.0	17.5	18.5	15.0	13.5	14.0	21.0	17.5	19.5
10	9.5	8.0	9.0	20.0	17.0	18.5	14.5	12.5	13.5	22.5	19.5	21.0
11	9.0	7.0	8.0	19.0	16.5	17.5	15.0	13.0	14.0	23.5	20.5	22.5
12	8.5	6.5	7.5	16.5	15.0	15.5	17.0	14.0	15.5	24.0	21.0	22.5
13	9.5	7.0	8.5	15.0	13.5	14.5	19.0	16.5	17.5	23.5	19.0	21.5
14	11.5	9.0	10.0	14.0	12.5	13.5	19.5	17.5	18.5	23.5	19.0	21.5
15	12.0	11.0	11.5	14.0	11.5	13.0	20.0	18.5	19.0	24.5	20.5	22.5
16	11.5	8.5	10.0	14.0	13.0	13.5	18.5	17.0	18.0	26.0	22.0	24.0
17	9.5	7.5	8.5	13.5	11.5	12.5	18.5	16.0	17.5	27.0	23.0	25.0
18	9.5	7.0	8.5	13.0	10.5	11.5	18.0	15.5	17.0	27.5	24.0	26.0
19	10.5	9.0	9.5	15.0	11.5	13.5	18.5	15.0	17.0	28.0	25.0	26.5
20	11.5	9.5	10.5	17.5	14.5	16.0	18.5	15.0	16.5	26.0	25.0	25.5
21	11.5	9.0	10.5	18.0	15.5	16.5	19.0	14.0	16.5	---	---	---
22	13.0	11.5	12.5	16.5	14.0	15.0	19.5	16.0	17.5	---	---	---
23	12.0	10.5	11.5	14.0	12.5	13.0	20.5	18.0	19.0	22.5	22.5	22.5
24	11.0	9.5	10.0	14.5	12.5	13.5	19.0	17.5	18.0	23.5	21.5	22.5
25	10.0	8.0	9.0	14.0	11.5	12.0	17.5	15.5	16.5	23.5	22.0	22.5
26	8.0	6.0	7.0	12.0	10.5	11.5	18.5	15.5	17.0	23.0	20.5	22.0
27	7.5	5.0	6.5	12.5	11.0	12.0	19.5	16.0	18.0	21.0	19.5	20.5
28	8.5	5.5	7.0	15.5	12.5	14.0	21.0	17.0	19.5	21.5	19.5	20.5
29	---	---	---	15.0	14.0	14.5	23.5	18.5	21.0	22.0	19.5	21.0
30	---	---	---	16.5	13.5	15.0	27.5	19.5	23.0	23.5	21.0	22.5
31	---	---	---	17.0	14.0	15.0	---	---	---	25.0	22.0	23.5
MONTH	15.5	5.0	10.0	20.0	8.0	14.5	27.5	12.5	17.5	28.0	16.0	22.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.5	23.0	24.0	24.0	21.0	23.0	27.5	25.0	26.0	27.0	24.5	25.5
2	24.0	23.0	23.5	25.5	22.0	23.5	26.0	24.5	25.0	27.5	25.0	26.0
3	24.0	22.5	23.5	25.5	23.0	24.5	26.0	24.0	25.0	26.5	24.5	25.5
4	23.5	21.5	22.5	24.5	23.5	24.0	25.5	24.0	25.0	24.5	23.0	24.0
5	23.5	20.5	22.5	25.5	23.5	24.5	25.5	24.5	25.0	22.5	21.0	22.0
6	24.0	22.0	23.0	24.5	22.5	23.5	24.5	24.0	24.0	21.0	19.5	20.0
7	24.5	22.5	23.5	24.0	22.5	23.0	24.0	23.0	23.5	20.0	19.5	19.5
8	24.0	22.5	23.5	23.0	22.5	23.0	23.5	23.0	23.0	21.0	19.5	20.5
9	25.0	22.5	24.0	24.5	23.0	24.0	24.0	23.0	23.5	22.5	20.5	21.5
10	26.0	23.5	25.0	26.0	24.0	25.0	24.5	23.5	24.0	23.0	21.0	22.0
11	26.0	24.0	25.0	26.0	24.5	25.5	25.0	24.0	24.5	24.0	21.5	23.0
12	25.0	23.0	24.0	26.0	24.5	25.5	24.5	23.5	24.0	25.5	22.5	24.0
13	25.0	22.0	23.5	26.0	24.0	25.0	24.5	24.0	24.0	25.5	23.0	24.5
14	24.5	22.0	23.5	26.0	24.0	25.0	24.5	23.5	24.5	25.5	23.5	24.5
15	25.0	22.5	23.5	27.0	24.0	25.5	25.5	24.0	24.5	24.0	23.0	23.5
16	25.0	22.5	24.0	27.0	25.0	26.0	25.5	24.0	24.5	24.0	22.5	23.0
17	24.0	22.0	23.0	26.5	25.0	26.0	25.5	24.0	25.0	24.5	22.5	23.5
18	23.5	20.5	22.0	27.5	24.5	26.0	26.5	24.5	25.5	24.0	22.0	23.0
19	24.0	20.5	22.5	27.0	25.5	26.0	26.5	24.5	25.5	23.0	20.5	22.0
20	25.5	22.0	23.5	27.0	24.5	25.5	26.0	24.5	25.0	22.5	20.0	21.5
21	24.5	22.5	24.0	27.0	25.0	26.0	26.0	23.5	24.5	23.5	21.0	22.0
22	26.5	23.0	24.5	26.0	24.0	25.0	25.0	23.5	24.0	22.5	19.5	21.5
23	27.0	24.5	25.5	24.5	23.5	24.0	25.5	23.0	24.5	20.0	18.0	19.0
24	25.0	23.5	24.5	24.0	23.0	23.5	26.0	24.0	25.0	17.5	16.0	16.5
25	24.5	22.0	23.0	25.5	23.0	24.0	27.0	24.5	25.5	16.5	15.5	16.0
26	24.0	22.0	23.0	25.5	24.0	24.5	27.0	24.5	26.0	18.0	15.0	16.5
27	23.0	22.0	22.5	25.0	24.0	24.5	27.5	25.0	26.0	19.0	17.0	18.0
28	21.5	20.5	21.0	26.0	23.5	25.0	27.5	25.5	26.5	21.5	19.0	20.0
29	22.0	20.0	21.0	27.0	24.5	25.5	28.0	25.5	26.5	22.5	20.0	21.0
30	23.0	20.5	22.0	27.5	25.0	26.5	28.0	26.0	26.5	20.5	18.5	19.5
31	---	---	---	27.5	25.5	26.5	26.5	25.5	26.0	---	---	---
MONTH	27.0	20.0	23.5	27.5	21.0	25.0	28.0	23.0	25.0	27.5	15.0	21.5
YEAR	28.0	3.5	18.0									

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.2	7.1	7.2	---	---	---	7.3	7.2	7.2	---	---	---
2	7.3	6.9	7.1	---	---	---	7.3	7.2	7.3	---	---	---
3	7.2	6.8	7.0	---	---	---	7.3	7.0	7.3	---	---	---
4	7.1	7.0	7.1	---	---	---	7.2	6.9	7.1	---	---	---
5	7.2	7.0	7.1	---	---	---	7.0	6.9	6.9	---	---	---
6	7.4	7.1	7.3	---	---	---	7.1	7.0	7.0	---	---	---
7	7.6	7.5	7.6	---	---	---	7.1	7.0	7.0	---	---	---
8	7.6	7.4	7.5	---	---	---	7.0	7.0	7.0	6.9	6.8	6.9
9	7.4	7.3	7.4	7.2	7.1	7.1	---	---	---	7.0	6.9	6.9
10	7.2	7.1	7.2	7.3	7.0	7.2	---	---	---	7.0	6.9	7.0
11	7.2	7.0	7.1	7.5	7.3	7.4	---	---	---	7.2	7.0	7.1
12	7.1	7.0	7.1	7.5	7.3	7.4	---	---	---	7.2	7.0	7.1
13	7.2	7.0	7.1	---	---	---	7.0	6.9	7.0	7.2	7.1	7.2
14	7.2	7.1	7.2	---	---	---	7.2	7.0	7.1	7.3	7.1	7.2
15	7.2	7.1	7.2	---	---	---	7.2	7.2	7.2	7.2	7.0	7.1
16	7.2	7.0	7.1	---	---	---	---	---	---	7.1	7.0	7.0
17	7.1	7.0	7.0	---	---	---	---	---	---	7.2	7.0	7.1
18	7.4	7.0	7.2	---	---	---	7.1	7.0	7.0	7.2	7.1	7.1
19	7.4	7.3	7.4	7.2	7.2	7.2	7.1	7.0	7.0	7.2	7.1	7.1
20	7.5	7.4	7.4	7.3	7.1	7.2	7.2	7.0	7.2	7.1	7.1	7.1
21	7.5	7.4	7.4	7.1	7.0	7.1	7.2	7.1	7.1	7.1	6.9	7.0
22	7.5	7.4	7.5	7.1	7.0	7.1	7.3	7.2	7.3	7.0	6.8	6.9
23	7.5	7.4	7.4	7.2	7.1	7.2	7.3	7.2	7.3	---	---	---
24	7.4	6.9	7.1	7.3	7.1	7.2	7.3	7.1	7.2	---	---	---
25	7.2	7.1	7.1	7.2	7.0	7.2	7.2	7.0	7.2	---	---	---
26	7.2	7.1	7.2	7.2	7.0	7.1	7.2	7.0	7.1	---	---	---
27	7.3	7.2	7.2	7.1	7.0	7.1	7.1	7.0	7.0	---	---	---
28	7.3	7.2	7.2	7.0	7.0	7.0	7.1	6.7	6.9	---	---	---
29	7.2	7.1	7.1	7.2	7.0	7.1	7.0	6.9	7.0	---	---	---
30	7.2	6.9	7.0	7.3	7.0	7.2	7.1	6.9	7.0	---	---	---
31	6.9	6.9	6.9	---	---	---	7.1	6.9	7.0	---	---	---
MONTH	7.6	6.8	7.2	---	---	---	7.3	6.7	7.1	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	7.0	7.0	7.1	7.0	7.0	7.1	6.9	7.0	7.6	7.3	7.4
2	7.0	6.9	7.0	7.1	7.1	7.1	7.1	6.7	6.9	7.5	7.3	7.4
3	7.0	6.9	7.0	7.1	7.1	7.1	6.9	6.7	6.8	7.2	7.1	7.2
4	7.0	6.8	6.9	7.2	7.0	7.1	7.1	6.8	7.0	7.2	7.1	7.1
5	7.0	6.8	6.9	7.1	7.0	7.1	6.8	6.2	6.4	7.1	7.0	7.1
6	7.0	6.9	7.0	7.1	7.0	7.0	6.4	6.2	6.2	7.1	7.0	7.0
7	7.0	6.7	6.9	7.2	7.1	7.2	6.3	6.2	6.3	7.2	6.9	7.0
8	6.9	6.7	6.8	7.3	7.2	7.2	6.6	6.3	6.4	7.1	7.0	7.1
9	6.9	6.8	6.8	7.3	7.2	7.3	6.8	6.5	6.7	7.2	7.1	7.1
10	7.0	6.8	6.9	7.3	7.2	7.3	6.9	6.8	6.8	7.2	7.1	7.2
11	7.1	6.8	6.9	7.3	7.2	7.3	6.9	6.8	6.9	7.3	7.1	7.2
12	6.9	6.8	6.8	7.3	7.2	7.2	7.0	6.8	6.9	7.4	7.3	7.3
13	7.0	6.9	6.9	7.3	7.1	7.2	7.0	6.9	6.9	7.5	7.1	7.3
14	7.0	6.9	7.0	7.4	7.2	7.2	7.0	6.8	6.9	7.5	7.1	7.3
15	7.0	6.9	7.0	7.4	7.2	7.3	7.0	6.9	6.9	7.6	7.4	7.5
16	7.0	6.8	6.9	7.3	7.2	7.2	7.0	6.8	6.9	7.7	7.4	7.5
17	7.0	6.8	6.9	7.4	7.3	7.3	7.0	6.9	6.9	7.7	7.5	7.6
18	7.0	6.9	6.9	7.4	7.1	7.3	7.1	7.0	7.0	7.7	7.5	7.6
19	7.0	6.9	6.9	7.2	7.0	7.1	7.2	7.0	7.1	7.7	7.4	7.6
20	7.0	6.9	6.9	7.1	7.0	7.0	7.2	7.1	7.1	7.7	7.5	7.6
21	7.0	6.9	6.9	7.2	7.0	7.1	7.3	7.1	7.2	---	---	---
22	6.9	6.9	6.9	7.3	7.1	7.2	7.2	7.1	7.1	---	---	---
23	7.0	6.9	6.9	7.3	7.0	7.2	7.2	7.0	7.1	7.0	6.9	6.9
24	7.0	6.9	6.9	7.2	7.1	7.2	7.2	7.0	7.1	8.2	6.9	7.3
25	6.9	6.9	6.9	7.1	7.0	7.1	7.2	7.1	7.2	8.4	7.1	7.5
26	7.0	6.9	6.9	7.2	6.9	7.1	7.3	7.1	7.2	7.6	7.3	7.4
27	7.0	6.9	6.9	7.0	6.9	7.0	7.4	7.2	7.2	8.7	7.2	7.6
28	7.0	7.0	7.0	7.1	7.0	7.1	7.4	7.2	7.3	7.3	6.8	7.1
29	---	---	---	7.1	7.0	7.1	7.4	7.2	7.3	7.0	6.8	6.9
30	---	---	---	7.1	6.9	7.0	7.5	7.2	7.4	6.9	6.8	6.9
31	---	---	---	7.0	6.9	6.9	---	---	---	7.0	6.9	6.9
MONTH	7.1	6.7	6.9	7.4	6.9	7.1	7.5	6.2	6.9	8.7	6.8	7.3

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.9	7.0	7.3	7.1	7.3	7.4	7.3	7.3	7.4	7.3	7.3
2	7.1	7.0	7.0	7.2	7.0	7.2	7.3	7.3	7.3	7.4	7.3	7.3
3	7.1	7.0	7.1	7.3	7.1	7.2	7.3	7.3	7.3	7.3	7.1	7.2
4	7.0	6.9	7.0	7.2	7.1	7.2	7.3	7.2	7.3	7.2	7.1	7.2
5	7.0	6.9	7.0	7.3	7.0	7.2	7.3	7.2	7.3	7.2	7.1	7.2
6	7.1	7.0	7.1	7.3	6.7	7.1	7.3	7.2	7.3	7.2	7.1	7.1
7	7.1	7.0	7.1	6.8	6.5	6.7	7.3	7.0	7.2	7.1	7.1	7.1
8	7.1	7.0	7.0	6.7	6.4	6.6	7.2	7.0	7.2	7.1	7.0	7.1
9	7.1	7.0	7.1	6.9	6.7	6.8	7.1	7.0	7.1	7.1	6.9	7.0
10	7.1	7.0	7.1	7.1	6.9	7.1	7.1	7.0	7.1	7.0	6.9	7.0
11	7.0	6.9	6.9	7.2	7.0	7.1	7.2	7.1	7.1	7.0	6.9	6.9
12	7.0	6.9	6.9	7.2	7.1	7.2	7.2	7.1	7.2	7.0	6.9	7.0
13	7.1	6.9	7.0	7.3	7.2	7.2	7.2	7.1	7.2	7.1	7.0	7.0
14	7.2	7.0	7.1	7.3	7.2	7.2	6.7	6.7	6.7	7.1	7.0	7.1
15	7.2	7.2	7.2	7.4	7.2	7.4	6.8	6.7	6.7	7.1	7.0	7.0
16	7.3	7.2	7.3	7.4	7.0	7.4	6.9	6.8	6.9	7.1	7.0	7.0
17	7.3	7.0	7.2	7.4	7.2	7.3	7.0	6.9	7.0	7.0	6.9	7.0
18	7.2	7.0	7.2	7.4	7.1	7.2	7.1	7.0	7.1	6.9	6.8	6.8
19	7.2	7.1	7.2	7.2	7.1	7.1	7.2	7.1	7.2	6.9	6.8	6.9
20	7.2	7.0	7.1	7.2	7.1	7.1	7.2	7.1	7.2	7.0	6.8	6.9
21	7.3	7.1	7.2	7.3	7.1	7.2	7.2	7.1	7.1	7.0	6.9	7.0
22	7.4	7.2	7.3	7.4	7.2	7.3	7.2	7.1	7.2	7.0	6.9	7.0
23	7.4	7.3	7.4	7.3	7.0	7.2	7.3	7.2	7.2	7.1	6.9	7.0
24	7.4	7.4	7.4	7.2	7.1	7.2	7.3	7.2	7.3	7.0	6.9	6.9
25	7.5	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.3	6.9	6.9	6.9
26	7.3	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.3	7.0	6.8	6.9
27	7.4	7.3	7.4	7.3	7.0	7.2	7.3	7.2	7.3	6.9	6.8	6.9
28	7.3	6.9	7.1	7.3	7.2	7.2	7.3	7.2	7.2	7.0	6.7	6.8
29	7.1	6.9	7.0	7.3	7.2	7.2	7.3	7.2	7.3	6.7	6.5	6.6
30	7.3	7.0	7.2	7.3	7.2	7.2	7.4	7.2	7.3	6.8	6.6	6.7
31	---	---	---	7.3	7.2	7.2	7.4	7.3	7.3	---	---	---
MONTH	7.5	6.9	7.1	7.4	6.4	7.2	7.4	6.7	7.2	7.4	6.5	7.0
YEAR	8.7	6.2	7.1									

02160700 ENOREE RIVER AT WHITMIRE, S.C.

LOCATION.--Lat 34°30'33", long 81°35'54", Union County, at gaging station on left bank, 0.4 mi (0.6 km) downstream from Seaboard Coast Line Railroad bridge, 0.5 mi (0.8 km) northeast of Whitmire and at mile 17.6 (28.3 km).

DRAINAGE AREA.--444 mi^2 (1150 km^2).

PERIOD OF RECORD.--Chemical analyses: November 1971 to current year.
Water temperature: October 1973 to current year.

EXTREMES, CURRENT YEAR.--Specific conductance: Maximum, 81 micromhos Nov. 17, 18, and 19; minimum 32 micromhos July 7 and 8.
Dissolved Oxygen: Maximum, 12.4 mg/l Dec. 12; minimum 5.2 mg/l July 10.
Temperature; Maximum, 28.0°C July 18; minimum 3.5°C Dec. 19.
pH: Maximum, 7.4 units Jan. 27 and 28; minimum 6.3 units Jan. 4

Period of record: Specific conductance: Maximum, 81 micromhos Nov. 17, 18, and 19, 1973; minimum 32 micromhos July 7 and 8, 1974.
Dissolved Oxygen: Maximum, 12.4 mg/l Dec. 12, 1973; minimum 5.2 mg/l July 10, 1974.
Temperature: Maximum, 28.0°C July 18, 1974; minimum, 3.5°C Dec. 19, 1973.
pH: Maximum, 7.4 units Jan. 27 and 28 1974; minimum 6.3 units Jan. 4, 1974.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	70	67	69	76	74	75	70	69	70	48	39	43
2	69	64	67	75	74	75	71	68	69	39	38	38
3	65	62	64	77	75	76	70	69	70	41	38	39
4	65	63	64	78	76	77	71	70	70	48	42	46
5	69	64	67	78	77	77	71	68	69	50	48	49
6	69	67	68	78	77	78	69	64	66	---	---	---
7	70	68	69	78	76	77	64	60	62	---	---	---
8	70	69	69	77	74	75	61	59	60	52	51	52
9	70	69	70	81	75	78	66	60	64	54	51	52
10	69	68	69	81	78	79	67	66	67	58	54	56
11	68	66	67	79	78	79	66	64	65	59	58	59
12	71	67	69	80	79	79	67	63	65	59	57	58
13	70	69	69	81	79	80	66	63	64	59	57	58
14	70	69	69	81	79	80	68	66	67	61	59	60
15	70	69	70	80	77	78	68	66	67	61	60	60
16	71	70	70	80	77	79	68	67	67	59	58	59
17	71	69	70	81	80	80	68	66	67	62	59	60
18	69	68	69	81	79	80	67	65	66	62	61	61
19	69	68	68	81	80	80	66	64	65	63	62	62
20	70	68	69	79	78	79	67	64	65	64	62	63
21	71	69	70	78	76	77	69	67	68	63	55	59
22	73	69	71	77	74	76	66	63	65	54	41	45
23	73	70	71	77	73	75	62	55	58	50	43	47
24	79	70	74	77	75	76	59	56	57	53	50	52
25	79	74	76	77	74	75	62	58	60	55	54	55
26	78	74	76	75	71	72	66	62	64	53	48	50
27	79	77	78	71	69	70	64	62	63	52	49	51
28	79	77	78	71	69	70	66	57	61	55	52	53
29	80	78	79	69	66	68	59	57	58	54	52	53
30	79	77	78	69	67	69	62	58	60	54	52	53
31	77	76	76	---	---	---	62	49	57	57	54	56
MONTH	80	62	71	81	66	76	71	49	64	64	38	53

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	58	57	57	55	54	54	48	45	47	59	58	58
2	59	57	58	56	54	55	51	49	50	60	58	59
3	58	51	56	56	55	56	52	51	52	61	60	60
4	51	46	49	55	54	55	55	50	54	60	57	59
5	50	47	48	55	54	55	48	38	40	59	57	58
6	53	50	51	55	54	54	39	38	38	59	58	59
7	54	48	52	56	55	56	46	39	44	58	52	54
8	49	44	45	58	56	57	49	46	48	55	53	54
9	44	41	42	59	57	58	51	47	49	58	54	56
10	47	42	44	59	58	58	49	45	47	59	57	58
11	51	48	49	58	57	58	53	49	51	61	58	59
12	54	51	53	58	57	58	56	54	55	61	56	60
13	53	52	52	57	55	56	57	53	56	60	55	57
14	56	54	55	57	55	56	62	49	54	55	54	55
15	55	53	54	60	57	59	55	50	52	56	54	55
16	53	47	51	61	59	60	53	52	52	61	56	58
17	47	45	46	61	60	61	54	52	53	62	59	60
18	50	47	48	61	59	60	55	53	54	63	61	62
19	52	50	51	60	58	59	57	55	56	64	61	62
20	52	50	51	58	56	57	57	56	56	64	62	63
21	54	51	53	59	56	57	57	56	57	63	61	62
22	55	50	53	59	56	57	58	57	57	61	59	60
23	50	47	48	58	55	56	57	56	56	60	52	56
24	48	46	47	58	56	57	56	54	55	53	51	52
25	51	48	49	57	56	57	59	55	57	52	45	48
26	52	50	51	57	56	56	59	57	58	56	50	53
27	53	52	52	56	55	56	59	58	58	61	56	59
28	55	53	54	59	55	58	60	58	59	61	56	58
29	---	---	---	61	57	59	60	58	59	56	55	55
30	---	---	---	61	48	57	60	58	59	60	56	57
31	---	---	---	48	42	44	---	---	---	62	60	61
MONTH	59	41	51	61	42	57	62	38	53	64	45	58

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	63	62	62	63	61	62	64	61	62	74	73	73
2	63	61	62	63	59	62	67	64	66	74	73	73
3	62	61	61	63	60	62	67	58	64	74	69	72
4	61	57	59	63	59	62	62	58	60	72	61	68
5	58	57	57	62	60	61	67	63	64	65	60	62
6	63	57	59	61	47	55	68	53	63	65	60	63
7	65	62	64	51	32	43	64	56	61	64	58	62
8	60	51	53	43	32	36	56	49	52	63	58	60
9	66	56	61	55	37	48	54	46	49	65	62	64
10	60	57	58	51	47	49	54	50	52	66	64	65
11	59	58	59	54	50	52	59	54	57	67	65	67
12	60	59	60	54	52	53	63	59	61	67	66	66
13	61	59	60	57	52	54	64	61	62	70	66	69
14	63	61	62	62	57	59	61	58	59	72	70	71
15	66	63	64	63	61	62	65	59	62	73	71	72
16	66	62	64	63	49	62	67	50	63	74	73	73
17	64	62	63	63	49	61	55	49	51	73	72	72
18	63	60	61	63	59	62	62	54	58	72	69	71
19	62	61	62	65	63	65	65	62	63	69	67	68
20	62	61	62	68	65	67	67	65	66	70	68	69
21	65	63	64	68	66	67	68	66	67	71	70	70
22	64	63	64	68	66	68	67	66	66	---	---	---
23	65	64	64	68	63	65	70	68	69	---	---	---
24	67	65	66	63	62	62	71	69	71	74	72	73
25	68	66	67	64	62	63	72	71	72	73	70	71
26	66	64	65	67	64	66	73	71	72	70	69	70
27	65	58	63	67	65	66	71	70	71	71	69	70
28	63	46	52	68	66	68	71	69	70	73	71	72
29	54	48	51	68	64	66	69	67	68	73	56	64
30	62	54	57	67	60	63	72	68	70	60	55	57
31	---	---	---	61	60	61	73	72	72	---	---	---
MONTH	68	46	61	68	32	60	73	46	63	74	55	68
YEAR	81	32	61									

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.6	7.7	10.1	9.7	9.9	11.1	10.7	11.0	10.5	9.3	9.8
2	8.0	7.8	7.9	10.2	9.9	10.0	11.3	10.9	11.2	9.7	9.5	9.5
3	8.0	7.8	7.9	10.1	9.6	9.8	11.6	11.0	11.4	10.2	9.9	10.1
4	8.0	7.8	7.9	9.6	9.1	9.4	11.0	10.3	10.6	10.4	10.0	10.2
5	8.1	7.8	7.9	9.1	8.6	8.8	10.2	9.7	9.9	9.9	9.7	9.8
6	8.1	7.9	8.0	9.5	8.6	9.2	10.1	9.6	9.9	---	---	---
7	8.5	8.2	8.4	10.2	9.6	10.0	10.7	10.1	10.4	---	---	---
8	8.7	8.4	8.6	10.2	9.6	10.0	11.3	10.7	10.9	10.1	10.0	10.0
9	8.8	8.5	8.7	9.6	9.3	9.4	11.4	11.1	11.2	10.2	10.0	10.1
10	8.9	8.5	8.7	11.0	9.4	10.2	11.5	11.1	11.3	10.2	9.9	10.0
11	8.9	8.6	8.7	11.4	10.1	10.9	12.2	11.5	11.9	10.0	9.4	9.7
12	9.1	8.7	8.9	12.4	11.4	11.8	12.4	12.0	12.2	9.6	9.3	9.5
13	9.3	8.9	9.1	12.1	11.0	11.5	11.9	11.3	11.7	10.6	9.8	10.2
14	9.1	8.8	9.0	11.3	10.0	10.7	11.4	11.1	11.2	11.2	10.9	11.1
15	9.2	8.9	9.0	11.1	10.0	10.7	11.5	11.2	11.4	10.8	10.7	10.8
16	9.2	8.9	9.1	9.9	9.4	9.7	11.5	11.3	11.4	10.8	10.2	10.5
17	9.5	9.0	9.3	10.7	9.6	10.3	11.6	11.4	11.5	10.4	9.9	10.1
18	10.0	9.5	9.7	11.6	10.8	11.3	12.2	11.6	12.0	10.2	10.2	10.1
19	10.4	10.0	10.2	11.6	10.8	11.2	12.4	12.2	12.3	10.5	10.3	10.4
20	10.5	9.9	10.2	10.5	10.1	10.3	12.2	11.7	12.0	10.4	10.3	10.4
21	10.3	9.8	10.0	10.1	9.4	9.7	11.7	11.5	11.6	10.4	10.0	10.2
22	10.1	9.7	9.9	9.7	9.3	9.5	12.0	11.6	11.9	10.3	9.2	9.9
23	10.1	9.6	9.8	9.5	9.2	9.4	12.3	12.0	12.1	10.0	9.9	9.8
24	10.1	9.3	9.7	9.5	9.2	9.3	12.1	11.7	11.9	9.9	9.6	9.8
25	9.7	9.3	9.5	9.3	8.9	9.2	11.7	11.4	11.5	9.7	9.6	9.6
26	9.8	9.3	9.5	9.0	8.9	9.0	---	---	---	9.8	9.7	9.7
27	9.6	9.2	9.3	9.3	9.0	9.2	---	---	---	9.8	8.6	9.0
28	9.5	9.0	9.3	9.0	8.9	8.9	10.7	9.7	10.2	9.3	8.3	8.7
29	9.3	8.9	9.1	9.9	9.0	9.5	10.4	9.9	10.2	9.8	8.3	9.2
30	9.8	9.3	9.6	10.7	10.0	10.5	10.6	10.3	10.4	9.8	9.6	9.7
31	9.9	9.5	9.8	---	---	---	10.4	10.4	10.4	10.1	9.7	9.9
MONTH	10.5	7.6	9.0	12.4	8.6	10.0	12.4	9.6	11.2	11.2	8.3	9.9

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.1	9.5	9.9	10.4	9.7	10.0	9.4	9.0	9.2	8.3	8.0	8.1
2	9.9	9.5	9.7	9.7	9.2	9.4	9.1	8.8	9.0	8.2	8.0	8.1
3	9.5	9.3	9.3	9.3	9.1	9.2	9.0	8.7	8.9	8.5	8.2	8.3
4	9.6	9.2	9.4	9.2	9.0	9.1	8.7	8.6	8.7	8.4	8.2	8.3
5	10.3	9.6	10.0	9.0	8.8	9.0	8.7	8.3	8.5	8.8	8.0	8.4
6	10.7	10.3	10.5	8.9	8.8	8.8	8.4	8.2	8.3	9.3	8.9	9.1
7	10.5	10.2	10.4	8.9	8.7	8.8	9.0	8.4	8.7	9.2	9.1	9.2
8	10.2	9.7	9.9	8.9	8.7	8.8	9.1	9.0	9.0	9.3	9.1	9.2
9	10.1	9.7	9.9	9.0	8.7	8.8	9.3	9.0	9.2	9.2	8.6	8.9
10	10.6	10.0	10.3	9.0	8.7	8.8	9.5	9.1	9.3	8.6	8.4	8.5
11	11.4	9.7	10.6	9.1	8.8	8.9	9.5	9.2	9.4	8.4	8.0	8.2
12	9.9	9.3	9.6	9.4	9.1	9.3	9.3	9.0	9.2	7.9	7.7	7.8
13	9.6	9.2	9.4	9.8	9.4	9.6	9.0	8.6	8.8	8.4	8.0	8.3
14	9.5	9.0	9.3	10.0	9.6	9.8	8.5	8.3	8.5	8.5	8.4	8.4
15	9.3	9.0	9.1	10.2	9.8	10.0	8.4	8.3	8.3	8.4	8.2	8.3
16	9.5	9.2	9.3	10.1	9.8	9.9	8.7	8.4	8.6	8.2	7.9	8.1
17	10.1	9.8	9.9	10.3	9.8	10.0	9.0	8.6	8.8	7.9	7.7	7.8
18	10.3	10.1	10.2	10.8	10.1	10.5	9.2	8.9	9.0	7.7	7.5	7.7
19	10.4	10.3	10.3	10.5	10.1	10.4	9.1	8.9	9.0	7.6	7.4	7.5
20	10.8	10.2	10.5	10.1	9.7	9.9	9.1	8.9	9.0	7.8	7.4	7.6
21	10.4	10.1	10.3	9.8	9.5	9.7	9.1	8.9	9.0	8.0	7.8	7.9
22	10.1	9.3	9.7	10.2	9.5	9.9	8.9	8.6	8.8	8.0	7.9	8.0
23	9.7	9.3	9.5	10.4	9.9	10.2	8.6	8.4	8.5	7.9	7.6	7.8
24	9.9	9.6	9.7	10.5	10.2	10.4	8.8	8.5	8.7	7.8	7.6	7.7
25	9.9	9.6	9.8	10.6	10.2	10.4	9.2	8.8	9.0	7.7	7.6	7.6
26	10.5	9.9	10.3	11.0	10.5	10.8	9.3	9.1	9.2	8.0	7.6	7.8
27	10.8	10.5	10.6	10.7	10.4	10.5	9.2	8.9	9.0	8.3	8.0	8.2
28	10.6	10.4	10.5	10.4	9.7	10.2	8.9	8.7	8.8	8.4	8.3	8.3
29	---	---	---	9.7	9.4	9.5	8.7	8.4	8.6	8.4	8.2	8.3
30	---	---	---	9.7	9.4	9.5	8.5	8.1	8.3	8.3	7.9	8.1
31	---	---	---	9.5	9.2	9.4	---	---	---	8.0	7.8	7.9
MONTH	11.4	9.0	9.9	11.0	8.7	9.7	9.5	8.1	8.8	9.3	7.4	8.2

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.0	11.5	12.0	11.5	7.5	9.5	18.5	14.5	16.5	23.0	20.0	21.5
2	14.0	12.0	13.0	14.0	10.5	12.5	19.5	17.5	18.0	23.0	20.5	21.5
3	15.5	13.5	14.5	15.5	12.5	14.0	20.5	17.5	19.0	22.5	19.5	21.0
4	14.5	12.0	13.5	17.0	14.0	15.0	20.0	18.0	19.0	21.5	20.0	20.5
5	11.5	9.5	10.5	18.0	15.0	16.0	18.5	17.0	17.5	20.0	17.5	19.0
6	9.0	8.5	9.0	19.0	16.0	17.5	17.0	15.5	16.5	18.5	16.5	17.5
7	10.5	8.5	9.5	20.0	16.5	18.0	15.5	14.0	15.0	19.0	16.5	17.5
8	11.0	10.5	11.0	20.5	17.0	18.5	14.5	14.0	14.5	18.5	16.0	17.0
9	10.5	9.5	10.0	20.5	17.0	18.5	15.5	13.5	14.0	20.5	17.0	18.5
10	9.0	7.5	8.0	20.0	17.0	18.5	15.0	13.0	14.0	21.0	19.0	20.0
11	9.0	7.0	8.0	18.5	16.0	17.5	15.5	13.0	14.0	23.0	19.5	21.0
12	8.5	7.0	7.5	16.0	14.5	15.5	17.0	14.0	15.5	22.5	20.5	21.5
13	9.5	7.5	8.5	16.0	13.5	14.5	19.0	16.5	18.0	21.5	19.0	20.0
14	11.0	9.0	10.0	15.0	12.5	13.5	20.0	18.0	19.0	21.5	19.0	20.0
15	12.0	11.0	11.5	14.0	11.5	12.5	21.0	18.5	19.5	22.5	19.5	21.0
16	11.0	9.0	10.0	14.5	12.5	13.5	19.5	17.0	18.0	24.0	20.5	22.5
17	9.5	8.0	8.5	14.0	11.5	12.5	19.0	16.0	17.0	25.0	22.0	23.5
18	9.5	8.0	9.0	13.0	10.5	11.5	18.0	15.5	16.5	25.5	22.5	24.0
19	10.5	9.0	9.5	15.0	11.0	13.0	18.5	15.5	16.5	26.5	23.5	25.0
20	11.5	10.0	10.5	17.0	14.0	15.5	19.0	16.0	17.0	24.5	23.0	24.0
21	12.0	10.0	11.0	18.0	14.5	16.5	19.5	16.0	17.5	23.5	22.5	23.0
22	13.5	11.5	12.5	16.5	14.0	15.0	19.5	17.5	18.5	24.0	22.0	23.0
23	12.5	11.0	11.5	13.5	12.5	13.0	21.0	18.0	19.0	24.0	22.0	22.5
24	11.5	10.0	10.5	14.0	12.0	13.0	20.0	17.0	18.5	24.0	22.0	23.0
25	10.0	7.5	9.0	12.5	11.0	11.5	18.5	16.0	17.0	23.0	22.0	22.0
26	8.0	6.0	7.0	12.0	10.0	11.0	19.0	15.0	16.5	22.5	20.5	21.5
27	8.0	5.5	6.5	12.0	11.0	11.5	20.0	16.0	17.5	21.0	19.5	20.5
28	8.5	6.0	7.0	16.0	12.0	14.0	21.0	17.0	18.5	21.5	19.5	20.5
29	---	---	---	15.5	14.0	14.5	22.0	18.0	20.0	22.0	20.0	21.0
30	---	---	---	16.0	13.5	14.5	23.0	19.0	21.0	23.5	21.0	22.0
31	---	---	---	16.0	13.5	15.0	---	---	---	25.0	22.0	23.5
MONTH	15.5	5.5	10.0	20.5	7.5	14.5	23.0	13.0	17.5	26.5	16.0	21.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.0	23.0	24.0	25.0	21.0	23.0	27.0	25.0	26.0	27.0	24.5	25.5
2	24.5	23.0	23.5	27.5	22.5	24.0	25.5	24.5	25.0	27.5	25.0	26.0
3	24.5	22.5	23.5	25.5	23.0	24.5	26.0	23.5	24.5	26.5	24.5	25.5
4	24.0	22.0	22.5	25.0	24.0	24.5	25.5	24.0	24.5	24.5	22.5	24.0
5	23.5	20.5	22.0	25.5	24.0	24.5	25.5	24.5	25.0	22.5	20.5	22.0
6	24.5	21.5	23.0	26.5	23.5	24.5	24.5	22.0	24.0	20.5	19.5	19.5
7	25.0	22.5	23.5	25.0	23.5	24.5	24.0	23.0	23.5	20.0	19.5	19.5
8	24.0	22.5	23.0	24.5	23.5	23.5	23.5	22.5	23.0	21.0	19.5	20.0
9	25.5	23.0	24.0	25.5	23.5	24.0	23.5	22.5	23.0	22.5	20.0	21.0
10	26.5	23.5	25.0	26.0	24.0	25.0	25.0	23.5	24.0	23.0	20.5	21.5
11	26.5	24.0	25.0	26.5	24.5	25.5	25.0	23.5	24.0	24.0	21.5	22.5
12	25.5	23.0	24.0	25.5	24.0	25.0	25.5	23.5	24.0	25.0	22.5	23.5
13	25.0	22.5	23.5	26.0	23.5	24.5	25.0	23.5	24.0	25.0	23.0	24.0
14	25.0	22.0	23.5	26.0	23.5	25.0	25.5	23.5	24.0	25.5	23.5	24.5
15	25.5	22.5	24.0	27.0	24.0	25.5	26.5	24.0	25.0	24.5	23.0	23.5
16	25.0	23.0	24.0	27.5	24.5	26.0	25.5	24.0	24.5	24.0	22.5	23.0
17	24.5	21.5	23.0	27.0	25.0	26.0	25.0	23.5	24.0	24.5	23.0	23.5
18	23.5	20.5	22.0	28.0	25.0	26.0	26.5	24.0	25.0	24.5	22.0	23.0
19	24.5	20.5	22.5	27.0	25.5	26.0	26.5	24.0	25.5	23.5	20.5	22.0
20	25.5	22.0	23.5	27.0	24.5	25.5	26.0	24.5	25.0	23.0	20.0	21.5
21	24.5	23.0	24.0	27.0	25.0	25.5	26.0	23.5	24.5	24.0	21.0	22.0
22	26.5	23.0	24.5	26.0	24.0	25.0	25.5	23.0	24.0	---	---	---
23	27.0	24.5	25.5	24.5	23.0	24.0	26.0	23.0	24.5	---	---	---
24	25.0	23.0	24.0	23.5	22.5	23.0	26.5	24.0	25.0	17.0	15.5	16.5
25	24.5	22.0	23.5	25.0	23.0	24.0	27.0	24.5	25.5	16.0	15.0	15.5
26	24.0	22.0	23.0	25.5	23.5	24.5	26.5	24.0	25.5	18.0	14.5	16.0
27	23.5	21.5	22.5	25.0	24.0	24.5	27.0	24.5	25.5	19.0	17.0	18.0
28	22.0	20.5	21.0	25.5	23.0	24.5	27.0	25.0	26.0	21.5	18.5	20.0
29	22.5	20.0	21.0	26.5	24.5	25.5	27.5	25.0	26.5	22.0	20.0	20.5
30	23.5	20.5	22.0	27.5	24.5	26.0	27.5	25.5	26.5	21.0	18.0	19.5
31	---	---	---	27.5	25.0	26.0	27.0	25.5	26.0	---	---	---
MONTH	27.0	20.0	23.5	28.0	21.0	25.0	27.5	22.0	24.5	27.5	14.5	21.5
YEAR	28.0	3.5	17.5									

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	7.0	7.1	7.2	7.1	7.1	7.2	7.1	7.1	6.9	6.6	6.8
2	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.1	7.2	6.9	6.8	6.8
3	7.1	7.0	7.1	7.1	7.0	7.1	7.2	7.1	7.2	6.9	6.8	6.8
4	7.1	7.0	7.1	7.1	7.0	7.1	7.2	7.1	7.1	6.8	6.3	6.6
5	7.2	7.1	7.1	7.1	7.0	7.1	7.1	7.1	7.1	6.8	6.6	6.7
6	7.2	7.1	7.2	7.1	7.1	7.1	7.1	7.0	7.1	---	---	---
7	7.2	7.1	7.2	7.1	7.1	7.1	7.0	6.9	7.0	---	---	---
8	7.2	7.1	7.1	7.1	7.0	7.1	7.1	7.0	7.0	6.8	6.6	6.7
9	7.2	7.1	7.2	7.1	7.0	7.1	7.1	7.0	7.1	6.7	6.6	6.6
10	7.2	7.1	7.2	7.1	7.1	7.1	7.1	7.1	7.1	6.8	6.6	6.8
11	7.2	7.1	7.1	7.2	7.1	7.1	7.1	7.1	7.1	6.9	6.8	6.9
12	7.2	7.1	7.1	7.2	7.1	7.2	7.1	7.1	7.1	7.0	6.9	6.9
13	7.2	7.1	7.1	7.2	7.2	7.2	7.1	6.9	7.0	7.0	7.0	7.0
14	7.2	7.1	7.1	7.2	7.1	7.2	7.1	7.0	7.0	7.0	6.7	6.9
15	7.2	7.1	7.1	7.2	7.0	7.1	7.0	7.0	7.0	6.9	6.8	6.8
16	7.2	7.1	7.1	7.2	7.1	7.1	7.0	7.0	7.0	6.8	6.8	6.8
17	7.2	7.0	7.1	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.8
18	7.2	7.1	7.2	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.8
19	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.1	6.9	6.8	6.9
20	7.2	7.2	7.2	7.2	7.1	7.1	7.2	7.0	7.2	6.9	6.8	6.8
21	7.2	7.1	7.2	7.1	7.1	7.1	7.3	7.2	7.2	6.9	6.7	6.8
22	7.2	7.1	7.2	7.1	7.1	7.1	7.2	7.1	7.2	7.2	6.8	7.0
23	7.2	7.1	7.2	7.1	7.1	7.1	7.2	7.1	7.1	7.1	6.4	6.7
24	7.2	7.0	7.1	7.1	7.0	7.1	7.3	7.2	7.3	6.6	6.5	6.6
25	7.1	7.0	7.1	7.2	7.1	7.1	7.4	7.3	7.3	6.8	6.6	6.6
26	7.2	7.1	7.1	7.1	7.0	7.1	---	---	---	6.8	6.8	6.8
27	7.1	7.0	7.1	7.2	7.0	7.1	---	---	---	7.4	6.8	7.2
28	7.1	7.0	7.1	7.1	7.1	7.1	6.8	6.7	6.8	7.4	7.1	7.2
29	7.0	7.0	7.0	7.2	7.1	7.1	6.8	6.8	6.8	7.3	6.7	7.0
30	7.1	7.0	7.1	7.2	7.1	7.1	6.9	6.8	6.8	6.8	6.5	6.6
31	7.1	7.0	7.1	---	---	---	6.8	6.7	6.8	6.8	6.7	6.7
MONTH	7.2	7.0	7.1	7.2	7.0	7.1	7.4	6.7	7.1	7.4	6.3	6.8

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.7	6.7	6.6	6.6	6.6	6.8	6.6	6.7	7.0	6.9	7.0
2	6.7	6.7	6.7	6.6	6.6	6.6	6.8	6.5	6.7	7.0	6.9	7.0
3	6.7	6.6	6.7	6.7	6.6	6.6	6.7	6.6	6.7	6.9	6.7	6.8
4	6.7	6.6	6.6	6.7	6.6	6.7	6.8	6.5	6.7	6.7	6.6	6.7
5	6.7	6.6	6.7	6.7	6.6	6.7	6.5	6.4	6.4	6.8	6.6	6.7
6	6.7	6.6	6.7	6.8	6.7	6.7	6.6	6.4	6.5	6.9	6.8	6.9
7	6.7	6.5	6.6	6.8	6.7	6.7	6.7	6.5	6.6	6.8	6.8	6.8
8	6.6	6.5	6.5	6.9	6.7	6.8	6.9	6.7	6.8	6.9	6.8	6.9
9	6.6	6.6	6.6	6.9	6.8	6.8	6.9	6.5	6.7	7.0	6.9	6.9
10	6.6	6.5	6.5	7.0	6.8	6.9	6.6	6.5	6.6	7.0	6.9	7.0
11	6.6	6.4	6.5	6.9	6.9	6.9	6.7	6.6	6.7	7.0	6.9	7.0
12	6.6	6.5	6.6	6.9	6.9	6.9	6.8	6.7	6.7	7.1	6.9	7.0
13	6.6	6.6	6.6	7.0	6.9	6.9	6.8	6.7	6.7	7.0	6.9	7.0
14	6.6	6.6	6.6	6.9	6.9	6.9	6.7	6.6	6.7	7.0	6.9	7.0
15	6.7	6.6	6.6	6.9	6.9	6.9	6.8	6.7	6.7	7.1	7.0	7.0
16	6.7	6.6	6.6	6.9	6.8	6.9	6.8	6.6	6.7	7.1	7.0	7.0
17	6.6	6.5	6.6	6.9	6.9	6.9	6.8	6.6	6.7	7.1	7.0	7.1
18	6.6	6.5	6.6	6.9	6.7	6.8	6.8	6.7	6.8	7.1	7.0	7.1
19	6.6	6.6	6.6	6.8	6.7	6.8	6.8	6.8	6.8	7.1	7.0	7.1
20	6.7	6.6	6.7	6.9	6.7	6.8	6.9	6.8	6.8	7.1	7.0	7.1
21	6.6	6.5	6.6	6.9	6.7	6.8	6.9	6.8	6.8	7.1	7.1	7.1
22	7.0	6.5	6.7	6.9	6.8	6.8	6.9	6.7	6.8	7.1	7.1	7.1
23	6.6	6.5	6.5	6.8	6.7	6.8	6.8	6.7	6.8	7.1	6.6	6.9
24	6.5	6.5	6.5	6.8	6.7	6.8	6.9	6.8	6.8	6.7	6.6	6.7
25	6.6	6.5	6.6	6.9	6.8	6.8	6.9	6.8	6.9	6.7	6.6	6.6
26	6.6	6.6	6.6	6.8	6.7	6.8	6.9	6.9	6.9	6.8	6.7	6.8
27	6.6	6.6	6.6	6.8	6.7	6.8	7.0	6.9	6.9	6.9	6.7	6.8
28	6.6	6.6	6.6	6.9	6.7	6.8	7.0	6.9	6.9	6.9	6.8	6.9
29	---	---	---	6.8	6.7	6.8	7.0	6.9	6.9	6.8	6.6	6.7
30	---	---	---	6.8	6.6	6.8	7.0	6.9	7.0	6.8	6.7	6.7
31	---	---	---	6.6	6.5	6.6	---	---	---	6.8	6.7	6.7
MONTH	7.0	6.4	6.6	7.0	6.5	6.8	7.0	6.4	6.7	7.1	6.6	6.9

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.8	6.9	6.8	6.8	6.9	6.8	6.8	7.0	6.8	6.9
2	6.9	6.8	6.8	6.9	6.8	6.9	6.8	6.8	6.8	7.0	6.8	6.9
3	6.9	6.8	6.8	7.1	6.9	7.0	6.8	6.6	6.7	7.1	6.8	6.9
4	6.9	6.8	6.8	7.1	6.9	7.0	6.8	6.6	6.7	7.1	6.8	6.9
5	6.9	6.8	6.8	7.1	6.9	7.0	6.8	6.7	6.7	7.1	6.8	6.9
6	6.9	6.8	6.9	7.0	6.6	6.8	6.8	6.6	6.7	7.1	6.8	7.0
7	6.9	6.7	6.8	6.7	6.3	6.6	6.8	6.6	6.7	7.1	6.7	7.0
8	6.7	6.6	6.6	6.7	6.4	6.5	6.7	6.6	6.6	7.0	6.8	6.9
9	6.7	6.6	6.7	6.6	6.4	6.5	6.7	6.6	6.6	7.0	6.8	6.9
10	6.8	6.7	6.8	6.7	6.5	6.6	6.8	6.6	6.7	6.9	6.8	6.8
11	6.8	6.8	6.8	6.6	6.5	6.6	6.9	6.8	6.8	6.9	6.8	6.8
12	6.9	6.8	6.8	6.6	6.5	6.5	7.0	6.9	6.9	6.9	6.8	6.8
13	6.9	6.8	6.9	6.6	6.4	6.5	7.0	6.6	6.8	6.9	6.8	6.9
14	7.0	6.9	6.9	6.7	6.6	6.6	6.7	6.6	6.7	6.9	6.8	6.9
15	7.0	6.9	6.9	6.7	6.6	6.7	6.8	6.7	6.8	6.9	6.8	6.9
16	7.0	6.9	6.9	6.9	6.7	6.8	6.8	6.5	6.7	6.9	6.8	6.9
17	7.0	6.9	6.9	7.0	6.8	6.9	6.6	6.5	6.5	6.9	6.9	6.9
18	6.9	6.9	6.9	7.0	6.9	6.9	6.8	6.7	6.7	6.9	6.9	6.9
19	7.0	6.9	6.9	6.9	6.7	6.8	6.9	6.8	6.9	6.9	6.8	6.9
20	7.0	6.8	6.9	6.8	6.7	6.8	7.0	6.9	6.9	6.9	6.8	6.9
21	6.9	6.9	6.9	6.8	6.7	6.8	7.0	6.9	7.0	6.9	6.8	6.9
22	6.9	6.8	6.9	6.9	6.7	6.8	7.0	6.9	7.0	---	---	---
23	6.9	6.8	6.9	6.8	6.7	6.7	7.0	6.9	6.9	---	---	---
24	7.0	6.9	6.9	6.7	6.7	6.7	7.0	6.9	7.0	7.0	6.9	7.0
25	7.0	6.9	6.9	6.8	6.7	6.8	7.1	7.0	7.0	6.9	6.9	6.9
26	7.0	6.9	7.0	6.8	6.7	6.7	7.0	6.8	6.9	6.9	6.9	6.9
27	7.0	6.9	7.0	6.8	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9
28	6.9	6.5	6.6	6.8	6.7	6.8	6.9	6.8	6.8	6.9	6.8	6.9
29	6.7	6.5	6.6	6.8	6.7	6.7	7.0	6.8	6.9	6.8	6.6	6.7
30	6.8	6.7	6.8	6.8	6.7	6.7	7.0	6.8	6.9	6.7	6.6	6.6
31	---	---	---	6.9	6.7	6.8	6.9	6.8	6.9	---	---	---
MONTH	7.0	6.5	6.8	7.1	6.3	6.7	7.1	6.5	6.8	7.1	6.6	6.9
YEAR	7.4	6.3	6.9									

02160991 BROAD RIVER BELOW PARR SHOALS DAM

LOCATION.--Lat 34°15'38", long 81°19'50", Fairfield County, on left bank 100 ft (30 m) below dam, 0.3 mi (0.5 km) upstream from Mayo Creek, 2.5 mi (4.0 km) west of Jenkinsville, and at mile 201.4 (324 km).

PERIOD OF RECORD.--Chemical analyses: October 1973 to current year.
Water temperature: October 1973 to current year.

EXTREMES, CURRENT YEAR.--Specific conductance: Maximum, 103 micromhos Nov. 22, minimum, 40 micromhos July 8 and 9.
Dissolved Oxygen: Maximum, 12.7 mg/l Dec. 24.; minimum, 6.1 mg/l July 31.
Temperature: Maximum, 31.5°C July 31; minimum, 4.5°C Dec. 23 and 24.
pH: Maximum, 7.3 units Oct. 27 and 28; minimum 6.0 units July 8.

Period of record: Specific Conductance: Maximum, 103 micromhos Nov. 22, 1973; minimum, 40 micromhos July 8 and 9, 1974.
Dissolved Oxygen: Maximum, 12.7 mg/l Dec. 24, 1973; minimum, 6.1 mg/l July 31, 1974.
Temperature: Maximum, 31.5°C July 31, 1974; minimum, 4.5°C Dec. 23 and 24, 1973.
pH: Maximum, 7.3 units Oct. 27 and 28, 1973; minimum 6.0 units July 8, 1973.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	91	88	89	96	91	93	90	88	89	61	49	56
2	95	88	92	91	86	89	89	86	88	51	48	49
3	86	64	74	95	90	92	87	84	85	---	---	---
4	67	64	65	97	93	95	89	84	86	50	49	50
5	67	64	65	96	94	95	92	85	89	56	50	53
6	74	67	70	98	94	96	84	81	83	58	55	56
7	77	75	76	100	94	96	85	76	81	58	57	57
8	81	77	79	101	90	95	76	63	69	58	57	58
9	84	79	81	92	87	89	63	60	62	59	55	57
10	85	82	84	98	91	93	73	64	69	---	---	---
11	82	78	80	102	97	99	77	73	75	---	---	---
12	79	77	78	101	98	99	75	73	74	---	---	---
13	86	79	82	101	98	99	74	71	72	---	---	---
14	90	84	87	101	96	98	84	72	76	73	71	72
15	92	89	90	98	92	94	88	84	86	72	70	71
16	93	88	90	92	88	90	90	89	89	70	68	69
17	93	89	91	94	91	92	91	90	90	74	68	70
18	90	82	86	99	93	95	92	90	92	75	73	74
19	86	77	82	100	97	98	90	85	87	79	76	78
20	92	78	87	101	96	99	85	81	82	83	78	81
21	94	87	90	102	98	99	89	82	86	84	77	82
22	97	93	94	103	98	100	88	83	86	78	55	67
23	99	95	97	98	90	94	89	80	86	56	53	55
24	97	92	94	94	91	93	79	71	73	59	56	58
25	97	88	93	95	94	94	71	68	70	63	59	61
26	88	84	86	95	91	93	72	68	70	64	62	63
27	93	85	87	91	90	91	71	68	70	64	62	63
28	98	91	94	94	90	92	70	43	59	---	---	---
29	98	93	95	92	87	89	50	42	46	---	---	---
30	99	94	97	90	84	87	55	51	53	60	59	60
31	98	95	96	---	---	---	61	55	57	63	60	61
MONTH	99	64	86	103	84	94	92	42	77	---	---	---

02160991 BROAD RIVER BELOW PARR SHOALS DAM--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	68	63	66	70	64	66	57	55	56	70	65	68
2	70	68	69	71	68	69	55	52	54	66	63	65
3	70	66	69	72	69	70	56	52	54	69	65	67
4	67	55	62	72	69	70	63	55	59	73	68	70
5	57	56	56	72	70	71	60	46	51	77	71	74
6	58	56	57	71	65	68	46	43	45	76	72	74
7	63	58	61	68	65	66	50	45	47	75	69	72
8	63	55	59	73	68	71	49	47	48	68	61	65
9	55	52	54	76	73	75	50	49	49	62	59	60
10	55	54	54	78	75	76	53	50	52	66	62	63
11	58	54	57	79	74	76	57	53	55	68	60	64
12	58	57	58	77	75	76	60	57	59	60	57	59
13	60	57	59	76	70	73	62	50	60	66	60	63
14	66	61	64	72	70	71	62	60	61	65	55	60
15	68	64	66	75	70	73	64	60	62	55	52	53
16	69	67	68	77	75	76	62	58	60	55	51	53
17	---	---	---	81	76	78	58	56	57	62	50	58
18	---	---	---	81	78	80	62	55	58	65	63	63
19	---	---	---	82	78	79	65	62	63	68	65	66
20	61	59	60	78	72	75	69	65	67	72	65	68
21	64	61	63	72	69	70	70	69	70	72	70	71
22	67	64	65	75	69	73	71	69	70	69	62	67
23	67	65	67	75	73	75	70	68	69	64	61	63
24	65	56	60	74	69	72	68	64	66	66	63	64
25	56	54	55	70	68	69	66	63	64	71	64	67
26	55	53	54	68	66	67	68	65	66	70	64	66
27	58	54	56	68	65	67	70	68	69	65	63	64
28	63	55	60	68	66	67	71	69	70	65	64	64
29	---	---	---	72	69	70	71	68	69	65	62	63
30	---	---	---	79	73	76	71	68	70	62	60	61
31	---	---	---	72	57	64	---	---	---	64	61	62
MONTH	70	52	61	82	57	72	71	43	60	77	50	64

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	66	63	65	61	58	59	69	68	68	80	75	76
2	71	65	68	59	57	58	70	65	68	83	79	81
3	72	68	70	60	57	59	74	67	71	82	81	81
4	68	61	65	66	59	63	79	71	75	82	77	80
5	65	61	63	61	59	60	86	75	81	78	72	75
6	62	50	60	60	57	58	75	54	62	72	65	69
7	68	61	64	60	48	55	55	51	53	65	50	58
8	73	67	70	48	40	43	59	53	55	68	58	62
9	75	63	68	42	40	41	60	50	59	76	68	73
10	62	59	60	46	42	45	59	53	56	73	68	71
11	59	58	58	51	46	49	57	53	55	70	67	68
12	60	57	59	56	51	54	56	54	56	73	69	71
13	62	54	58	62	56	60	55	52	53	70	67	68
14	55	52	53	67	60	64	55	52	53	74	68	70
15	63	56	60	66	63	64	60	55	58	85	74	81
16	69	63	66	66	65	66	60	57	59	81	78	79
17	71	67	70	69	65	67	64	59	61	80	76	78
18	75	70	72	68	61	65	68	64	66	79	75	77
19	70	63	67	67	62	64	71	63	66	74	71	73
20	62	59	61	70	66	68	72	67	70	76	69	72
21	65	59	62	71	58	70	67	65	66	80	75	77
22	78	65	70	76	68	73	66	63	65	82	77	79
23	79	72	74	80	70	74	66	63	64	81	78	80
24	79	74	77	82	73	77	72	65	68	92	81	86
25	77	72	74	81	73	76	74	69	71	90	86	88
26	76	71	73	75	70	72	76	72	75	87	79	83
27	75	67	71	83	71	76	78	73	76	80	78	79
28	72	66	69	87	76	81	84	74	79	86	78	81
29	75	63	69	85	75	82	76	72	74	89	82	85
30	65	60	62	85	75	80	74	69	71	87	75	80
31	---	---	---	80	69	75	76	72	74	---	---	---
MONTH	79	50	66	87	40	64	86	50	65	92	50	76
YEAR	103	40	71									

02160991 BROAD RIVER BELOW PARR SHOALS DAM--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.6	6.9	9.2	8.6	8.9	9.9	9.3	9.6	10.8	10.2	10.5
2	7.1	6.7	6.9	9.4	8.7	9.0	10.3	9.7	10.0	10.4	10.1	10.4
3	7.4	7.0	7.2	9.5	8.9	9.2	10.6	10.1	10.3	---	---	---
4	7.6	7.2	7.4	9.6	8.9	9.2	10.9	10.0	10.5	10.8	10.4	10.6
5	7.6	7.3	7.5	9.5	9.0	9.2	10.8	10.3	10.6	10.4	10.3	10.4
6	8.0	7.1	7.2	9.1	8.7	8.9	10.2	9.9	10.0	10.6	10.4	10.5
7	7.4	7.0	7.2	9.2	8.5	8.7	10.2	9.8	10.1	10.5	10.1	10.4
8	7.5	7.2	7.4	9.3	8.9	9.1	10.6	10.1	10.3	10.3	10.1	10.2
9	7.7	7.3	7.5	9.5	8.9	9.2	10.9	10.6	10.7	10.4	10.0	10.2
10	7.8	7.5	7.7	9.6	9.1	9.3	11.0	10.8	10.9	---	---	---
11	8.0	7.5	7.8	10.0	9.1	9.6	11.3	10.8	11.1	---	---	---
12	8.2	7.7	8.0	10.4	9.6	9.9	11.5	11.3	11.4	---	---	---
13	8.2	7.8	8.0	10.8	10.2	10.4	11.8	11.3	11.6	---	---	---
14	8.3	7.8	8.1	10.9	10.5	10.7	11.5	11.3	11.4	11.0	10.6	10.8
15	8.4	7.8	8.0	10.9	10.4	10.7	11.3	11.1	11.2	11.4	11.0	11.3
16	8.3	7.8	8.1	10.7	10.2	10.4	11.3	11.1	11.2	11.6	11.3	11.5
17	8.5	8.0	8.2	10.2	9.8	10.0	11.4	11.2	11.3	11.3	10.5	10.9
18	8.7	8.1	8.4	10.2	9.6	9.9	11.7	11.3	11.5	10.5	10.0	10.2
19	8.9	8.4	8.7	10.3	9.7	9.9	12.0	11.7	11.9	10.0	9.9	10.0
20	9.2	8.7	8.9	10.6	9.9	10.1	12.2	12.0	12.1	9.9	9.6	9.9
21	9.4	8.6	9.0	10.4	10.1	10.2	12.2	12.0	12.1	9.9	9.4	9.8
22	9.3	8.8	9.0	10.2	9.5	9.9	12.3	12.0	12.1	10.0	9.3	9.6
23	9.3	8.9	9.1	9.6	9.3	9.5	12.6	12.3	12.4	10.0	9.8	9.9
24	9.3	8.9	9.1	9.6	9.0	9.3	12.7	12.4	12.6	9.8	9.6	9.7
25	9.2	8.7	9.0	9.7	9.1	9.3	12.4	12.2	12.4	9.6	9.4	9.5
26	9.2	8.6	8.9	9.2	8.9	9.1	12.4	11.7	12.1	9.7	9.4	9.6
27	9.3	8.6	8.9	9.0	8.7	8.8	11.7	11.0	11.4	9.8	9.4	9.6
28	9.3	8.7	8.9	9.0	8.8	8.9	11.3	10.8	11.1	---	---	---
29	9.1	8.6	8.8	9.0	8.5	8.7	11.4	10.9	11.3	---	---	---
30	9.1	8.5	8.8	9.6	8.7	9.1	11.2	10.8	11.0	9.4	9.2	9.3
31	9.1	8.4	8.8	---	---	---	10.9	10.8	10.9	9.5	9.2	9.3
MONTH	9.4	6.6	8.2	10.9	8.5	9.5	12.7	9.3	11.2	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.7	9.5	9.6	11.8	11.2	11.6	9.6	9.3	9.5	8.2	7.8	8.1
2	9.8	9.6	9.7	11.3	10.6	11.0	9.4	8.8	9.1	8.0	7.8	7.9
3	9.7	9.6	9.6	10.7	10.0	10.4	8.9	8.4	8.6	8.1	7.5	7.9
4	9.8	9.5	9.7	10.0	9.7	9.9	8.5	8.1	8.3	8.0	7.8	7.9
5	10.4	9.8	10.0	9.7	9.2	9.5	9.1	8.3	8.7	8.0	7.8	7.9
6	10.7	10.2	10.5	9.2	9.0	9.1	---	---	---	8.3	7.8	8.0
7	10.9	10.7	10.8	9.1	8.9	9.0	---	---	---	8.9	8.3	8.6
8	10.8	10.4	10.6	8.9	8.6	8.8	9.1	8.8	9.0	9.1	8.9	9.0
9	10.9	10.5	10.7	8.8	8.5	8.7	9.5	9.1	9.3	9.0	8.7	8.9
10	11.0	10.6	10.8	8.9	8.6	8.7	9.6	9.4	9.5	8.8	8.5	8.7
11	11.4	11.2	11.3	8.7	8.4	8.6	9.6	9.4	9.5	8.6	8.4	8.5
12	11.6	11.4	11.5	8.9	8.4	8.7	9.4	9.3	9.4	8.5	8.1	8.3
13	11.7	11.2	11.5	9.4	8.8	9.2	9.3	8.8	9.1	8.2	7.6	8.0
14	11.3	10.8	11.1	9.9	9.4	9.8	8.8	8.3	8.5	8.3	7.6	8.0
15	10.9	10.4	10.7	10.3	9.9	10.1	8.4	7.9	8.0	8.3	8.1	8.2
16	10.5	10.4	10.4	10.4	10.0	10.2	8.2	8.1	8.2	8.3	7.8	8.0
17	---	---	---	10.2	10.0	10.1	8.5	8.2	8.3	8.0	7.4	7.7
18	---	---	---	10.8	10.2	10.5	8.7	8.4	8.6	7.6	7.1	7.4
19	---	---	---	10.5	10.1	10.3	8.8	8.6	8.7	7.3	6.7	7.1
20	10.7	10.3	10.5	10.1	9.5	9.8	8.7	8.6	8.7	7.2	6.7	6.9
21	10.6	10.3	10.5	9.6	9.2	9.4	8.7	8.6	8.6	7.2	6.6	6.9
22	10.5	10.0	10.3	9.3	9.1	9.2	8.6	8.4	8.5	7.7	7.3	7.5
23	10.1	9.8	9.9	9.6	9.3	9.4	8.5	8.3	8.4	7.7	7.3	7.6
24	10.5	10.1	10.4	9.8	9.4	9.6	8.6	8.2	8.3	7.6	7.4	7.5
25	11.0	10.6	10.7	10.0	9.8	9.9	8.8	8.4	8.6	7.5	7.2	7.4
26	11.5	11.1	11.2	10.2	10.1	10.2	8.9	8.6	8.7	7.6	7.2	7.4
27	11.8	11.5	11.6	10.5	10.1	10.3	8.8	8.6	8.7	7.8	7.6	7.7
28	12.0	11.7	11.9	10.2	9.8	10.1	8.8	8.6	8.7	8.3	7.9	8.0
29	---	---	---	9.9	9.4	9.7	8.7	8.5	8.6	8.4	8.2	8.3
30	---	---	---	9.5	9.3	9.4	8.4	8.1	8.3	8.4	7.6	8.0
31	---	---	---	9.7	9.4	9.6	---	---	---	7.7	7.3	7.5
MONTH	12.0	9.5	10.6	11.8	8.4	9.7	9.6	7.9	8.7	9.1	6.6	7.9

02160991 BROAD RIVER BELOW PARR SHOALS DAM--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.4	7.2	7.3	7.8	7.4	7.7	6.7	6.2	6.5	7.0	6.5	6.8
2	7.3	7.0	7.1	7.7	7.4	7.6	7.1	6.3	6.7	7.2	6.6	6.9
3	7.3	6.9	7.1	7.4	7.1	7.2	7.1	6.6	6.9	7.0	6.6	6.8
4	7.4	7.2	7.3	7.3	6.9	7.0	7.1	6.8	7.0	7.3	6.6	7.0
5	7.5	7.2	7.4	7.1	6.8	7.0	7.2	6.9	7.0	7.5	6.8	7.1
6	7.5	7.3	7.4	7.1	6.8	6.9	7.7	7.3	7.5	8.1	7.5	7.9
7	7.6	7.2	7.3	7.4	6.8	7.1	7.8	7.3	7.5	8.2	7.8	8.0
8	7.3	7.1	7.2	7.4	6.7	7.0	7.8	7.5	7.6	7.9	7.7	7.8
9	7.4	7.2	7.3	6.9	6.6	6.7	7.7	7.5	7.6	8.0	7.6	7.8
10	7.4	7.1	7.2	6.8	6.3	6.6	7.8	7.6	7.7	7.7	7.4	7.6
11	7.3	6.9	7.1	6.6	6.4	6.5	7.6	7.2	7.4	8.6	6.8	7.1
12	7.1	6.7	6.9	6.5	6.3	6.4	7.5	7.3	7.4	7.1	6.8	6.9
13	7.3	7.0	7.2	6.8	6.5	6.6	7.6	7.4	7.5	7.0	6.5	6.8
14	7.4	7.1	7.3	6.9	6.7	6.8	7.7	7.3	7.5	6.8	6.5	6.7
15	7.4	7.2	7.3	6.9	6.7	6.9	7.4	7.1	7.3	6.8	6.5	6.7
16	7.4	7.2	7.3	6.9	6.7	6.8	7.3	7.1	7.2	6.7	6.5	6.6
17	7.4	7.0	7.2	6.8	6.4	6.6	7.4	7.1	7.2	6.9	6.2	6.5
18	7.4	7.2	7.3	6.9	6.3	6.7	7.2	6.9	7.1	6.8	6.6	6.7
19	7.6	7.4	7.5	6.9	6.2	6.7	7.1	6.8	6.9	7.0	6.7	6.9
20	7.7	7.5	7.6	6.9	6.6	6.8	7.2	7.0	7.1	7.1	6.7	6.9
21	7.5	7.1	7.3	6.9	6.5	6.7	7.2	7.0	7.2	7.1	6.8	7.0
22	7.1	6.7	6.9	7.0	6.6	6.8	7.3	7.2	7.2	7.4	6.9	7.1
23	7.2	6.9	7.0	7.0	6.6	6.8	7.3	6.8	7.2	7.7	7.0	7.2
24	7.1	6.8	6.9	7.2	6.7	6.9	7.3	7.2	7.3	8.0	7.2	7.6
25	7.4	6.8	7.1	7.2	6.8	7.0	7.3	7.0	7.1	9.1	7.4	8.1
26	7.4	6.9	7.1	7.3	7.0	7.1	7.3	6.8	7.1	8.5	7.9	8.2
27	7.5	7.0	7.3	7.2	6.9	7.0	7.0	6.8	6.9	8.6	8.0	8.3
28	7.7	7.2	7.4	7.1	6.7	6.9	7.0	6.5	6.8	8.3	7.9	8.1
29	7.7	7.4	7.6	7.1	6.7	6.9	7.0	6.5	6.8	8.2	7.7	7.9
30	7.8	7.5	7.7	6.9	6.6	6.7	7.1	6.6	6.9	7.7	7.3	7.5
31	---	---	---	6.8	6.1	6.5	7.1	6.6	6.8	---	---	---
MONTH	7.8	6.7	7.3	7.8	6.1	6.9	7.8	6.2	7.2	9.1	6.2	7.3
YEAR	12.7	6.1	8.7									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.5	24.0	25.0	16.0	14.5	15.0	13.5	12.0	12.5	11.5	11.0	11.0
2	25.5	24.0	24.5	16.0	13.5	14.5	12.5	11.0	12.0	11.5	11.5	11.5
3	24.5	22.5	23.5	16.0	13.5	14.5	11.5	10.5	11.0	---	---	---
4	24.5	22.0	23.0	16.0	14.5	15.0	12.0	10.5	11.5	11.0	10.5	10.5
5	23.5	22.5	23.0	17.0	15.0	16.0	13.0	11.5	12.5	10.5	10.5	10.5
6	25.0	22.5	23.5	16.5	14.5	15.5	13.0	11.5	12.0	11.0	10.5	11.0
7	24.0	21.5	23.0	15.5	14.5	15.0	12.0	11.5	12.0	12.0	11.5	11.5
8	24.5	21.5	23.0	15.0	14.5	14.5	11.5	9.5	11.0	12.0	11.0	11.5
9	24.5	21.5	22.5	15.5	14.0	15.0	10.5	9.5	10.0	11.5	11.5	11.5
10	24.5	21.0	22.5	14.5	12.5	13.5	9.5	8.0	9.0	---	---	---
11	23.5	21.0	22.0	13.0	11.5	12.0	8.5	7.5	8.0	---	---	---
12	22.5	20.5	21.0	12.0	10.0	11.0	8.0	7.0	7.5	---	---	---
13	22.0	20.0	21.0	11.5	9.5	10.5	8.5	7.0	7.5	---	---	---
14	21.5	20.0	20.5	12.0	9.5	11.0	8.5	7.5	8.0	10.5	9.5	10.0
15	21.5	19.5	20.5	12.5	10.5	11.5	8.0	7.5	7.5	9.5	9.0	9.5
16	21.0	19.0	20.0	13.5	11.5	12.5	8.0	7.0	7.5	11.0	9.0	10.0
17	20.0	18.5	19.0	13.5	11.5	12.5	7.5	6.5	7.0	11.5	10.0	11.0
18	19.5	17.5	18.5	12.5	11.0	12.0	7.0	6.0	6.5	12.0	11.0	11.5
19	18.5	16.5	17.5	12.5	11.5	12.0	6.5	5.5	6.0	12.5	11.5	12.0
20	18.5	16.0	17.0	13.5	11.5	12.5	7.0	5.5	6.0	12.5	12.0	12.0
21	18.0	16.0	17.0	13.5	12.5	13.0	6.5	5.5	6.0	14.0	12.5	13.0
22	18.0	16.0	17.0	14.5	13.0	13.5	6.0	5.0	5.5	14.0	13.0	13.5
23	18.0	15.5	16.5	14.5	14.0	14.0	6.0	4.5	5.0	13.5	12.5	13.0
24	18.0	15.5	16.5	16.0	14.0	14.5	6.0	4.5	5.5	13.5	13.0	13.0
25	18.0	15.5	17.0	16.0	14.0	15.0	7.0	6.0	6.0	14.0	13.5	13.5
26	18.0	16.0	17.0	16.5	14.5	15.5	9.0	7.0	8.0	14.0	13.5	13.5
27	18.5	16.0	17.5	17.0	15.5	16.0	10.0	9.0	9.5	14.0	13.5	13.5
28	17.5	16.5	17.0	17.0	16.0	16.5	10.0	9.0	9.5	---	---	---
29	17.0	15.5	16.0	16.0	14.5	15.5	10.0	8.5	9.5	---	---	---
30	16.5	15.0	15.5	14.5	13.0	14.0	10.0	9.5	10.0	15.0	14.5	14.5
31	15.5	14.5	15.0	---	---	---	11.5	10.0	10.5	14.5	13.5	14.0
MONTH	26.5	14.5	19.5	17.0	9.5	14.0	13.5	4.5	8.5	---	---	---

02160991 BROAD RIVER BELOW PARR SHOALS DAM--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.5	12.5	13.0	10.5	8.5	9.0	17.0	14.5	15.5	24.5	21.5	23.0
2	14.0	13.0	13.5	12.0	10.0	11.0	17.5	16.0	17.0	24.5	22.0	23.5
3	14.5	13.5	14.0	14.0	12.0	13.0	19.5	17.5	18.5	25.0	21.5	23.5
4	14.0	13.0	13.5	16.0	13.5	14.5	20.0	19.0	19.5	24.0	22.0	23.0
5	13.0	11.0	12.0	17.5	15.0	16.0	19.0	17.0	18.0	22.0	19.5	21.0
6	11.0	10.5	10.5	18.0	16.0	17.0	---	---	---	20.5	18.5	19.5
7	10.5	10.0	10.0	20.0	17.0	18.0	---	---	---	20.5	19.0	19.5
8	11.0	10.0	10.5	20.5	18.0	19.0	15.5	15.0	15.5	19.5	18.5	19.0
9	10.5	9.5	10.0	21.0	18.5	19.5	15.5	14.0	14.5	21.0	19.0	20.0
10	9.5	8.5	9.0	20.5	19.0	19.5	15.5	13.5	14.5	22.0	20.0	21.0
11	9.0	8.0	8.5	19.0	18.0	19.0	15.5	13.5	14.5	22.5	20.5	21.5
12	9.0	7.0	8.0	18.0	17.0	17.5	16.0	14.5	15.5	21.5	21.0	21.5
13	9.0	7.5	8.5	17.0	15.5	16.5	17.5	16.0	16.5	23.0	20.5	21.5
14	10.0	9.0	9.5	16.0	14.0	15.0	18.5	17.0	18.0	23.0	21.0	22.0
15	11.0	10.0	10.5	15.0	13.5	14.0	20.0	18.5	19.0	23.0	21.0	22.0
16	10.5	10.0	10.0	15.0	13.5	14.0	20.0	18.5	19.5	24.5	22.0	23.0
17	---	---	---	14.5	13.0	13.5	19.5	18.5	19.0	26.0	23.0	24.5
18	---	---	---	14.5	12.5	13.0	19.0	17.5	18.0	27.5	24.5	25.5
19	---	---	---	14.5	13.0	14.0	19.0	17.5	18.0	28.0	23.5	26.0
20	11.0	9.5	10.5	16.5	14.0	15.0	19.0	17.5	18.0	27.0	23.5	26.0
21	12.0	10.0	11.0	17.0	15.0	16.0	19.5	18.0	18.5	27.0	25.0	25.5
22	13.0	12.0	12.5	17.0	15.5	16.0	20.0	18.5	19.0	26.0	24.5	25.0
23	13.0	11.5	12.0	15.5	14.5	15.0	21.0	19.0	19.5	25.5	24.5	25.0
24	12.0	11.0	11.5	14.5	13.5	14.0	20.5	19.0	19.5	25.5	24.0	24.5
25	11.0	9.0	10.0	14.0	12.0	12.5	20.0	18.5	19.0	25.5	24.0	24.5
26	9.5	8.0	8.5	12.5	11.5	12.0	20.0	18.0	19.0	24.5	23.0	24.0
27	9.0	7.5	8.0	12.5	12.0	12.5	20.5	18.5	19.0	24.0	22.5	23.0
28	9.0	7.0	8.0	14.0	12.5	13.0	21.5	19.0	20.0	24.0	23.0	23.5
29	---	---	---	14.5	14.0	14.0	23.0	20.0	21.0	24.5	23.0	23.5
30	---	---	---	15.5	14.0	14.5	24.5	21.0	22.5	25.0	23.0	24.0
31	---	---	---	15.5	14.0	14.5	---	---	---	26.5	23.5	25.0
MONTH	14.5	7.0	10.5	21.0	8.5	15.0	24.5	13.5	18.0	28.0	18.5	23.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.5	25.0	26.0	26.0	23.0	24.5	31.0	28.0	29.0	30.0	27.5	28.5
2	26.0	25.0	25.5	27.0	24.0	25.5	29.0	27.5	28.0	30.5	27.5	28.5
3	26.5	24.5	25.5	27.5	24.5	26.0	28.5	26.5	27.5	29.5	27.5	28.5
4	26.0	24.0	25.0	27.0	25.0	26.0	27.0	26.0	27.0	28.0	26.5	27.5
5	25.5	23.5	24.5	28.0	25.5	26.5	27.5	26.0	26.5	26.0	23.0	25.0
6	27.0	24.0	25.5	28.0	26.0	26.5	26.5	24.5	25.5	23.5	22.0	22.5
7	27.0	24.0	25.5	26.5	25.0	26.0	25.5	24.0	24.5	22.0	21.0	21.5
8	26.0	25.0	25.5	25.5	25.0	25.0	25.5	24.5	25.0	21.5	21.0	21.5
9	26.5	25.0	25.5	26.5	24.5	25.5	26.0	24.5	25.0	22.5	21.5	22.0
10	27.5	25.0	26.0	27.5	25.0	26.0	25.5	24.0	24.5	24.0	22.0	23.0
11	28.0	25.5	26.0	28.0	26.5	27.0	25.5	24.5	25.0	26.5	22.5	24.5
12	28.5	25.5	26.5	29.0	27.0	27.5	26.5	24.5	25.5	27.5	24.0	25.5
13	27.5	26.0	26.5	29.0	26.5	27.5	26.0	25.0	25.5	28.5	25.0	26.5
14	26.5	25.0	26.0	29.5	26.5	28.0	27.0	25.0	26.0	28.0	26.0	27.0
15	27.0	24.5	25.5	30.5	27.0	28.5	27.0	25.0	26.0	27.5	26.0	27.0
16	27.5	24.5	25.5	30.0	27.0	28.5	27.0	26.0	26.5	28.0	25.5	26.5
17	27.5	24.0	25.5	30.5	27.5	28.5	28.0	26.0	26.5	27.5	25.5	26.5
18	27.5	24.0	25.5	31.0	27.5	29.0	28.0	26.0	27.0	28.0	25.0	26.0
19	27.5	24.5	26.0	31.0	28.0	29.0	29.0	26.5	27.5	28.0	24.0	26.0
20	29.0	25.0	26.5	30.5	28.5	29.0	29.0	27.0	27.5	27.0	24.0	25.0
21	28.0	25.0	26.5	29.5	28.0	28.5	29.0	26.5	27.5	27.5	24.0	25.5
22	29.0	25.0	27.0	30.0	26.5	28.0	28.5	26.0	27.0	24.5	23.0	24.0
23	29.0	26.0	27.5	29.0	26.5	27.5	28.5	25.5	27.0	24.5	21.5	23.0
24	28.5	26.0	27.0	28.0	26.5	27.0	29.0	26.0	27.5	22.0	20.0	21.0
25	28.0	25.0	26.5	28.5	26.0	27.0	29.0	26.5	27.5	20.0	18.5	19.5
26	26.5	25.0	25.5	29.5	26.0	27.5	30.0	26.5	28.5	20.0	18.0	19.0
27	26.0	23.5	25.0	28.5	26.5	27.5	30.5	27.5	29.0	21.0	19.0	20.0
28	26.0	24.0	25.0	28.5	26.0	27.0	31.0	27.5	29.0	23.0	20.0	21.5
29	24.5	23.0	24.0	30.5	26.5	28.0	31.0	27.5	29.0	24.5	20.5	22.0
30	24.5	22.5	23.5	31.0	27.5	29.0	30.5	28.0	29.0	22.5	21.0	21.5
31	---	---	---	31.5	28.0	29.5	30.0	27.5	28.5	---	---	---
MONTH	29.0	22.5	25.5	31.5	23.0	27.5	31.0	24.0	27.0	30.5	18.0	24.0
YEAR	31.5	4.5	19.0									

02160991 BROAD RIVER BELOW PARR SHOALS DAM--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.7	6.8	7.2	6.9	7.0	6.9	6.9	6.9	7.0	6.7	6.9
2	6.8	6.7	6.8	7.2	6.8	7.0	6.9	6.9	6.9	6.7	6.3	6.6
3	6.7	6.5	6.6	7.1	6.9	7.0	6.9	6.8	6.9	---	---	---
4	6.7	6.5	6.6	7.1	7.0	7.1	7.0	6.8	6.9	6.8	6.4	6.6
5	6.7	6.5	6.7	7.1	6.9	7.0	7.0	6.9	6.9	6.8	6.4	6.5
6	6.7	6.5	6.6	6.9	6.8	6.8	6.9	6.8	6.9	7.0	6.5	6.7
7	6.7	6.6	6.8	6.9	6.7	6.8	6.9	6.8	6.8	7.0	6.6	6.7
8	6.9	6.6	6.7	7.0	6.8	6.9	6.9	6.8	6.9	6.7	6.6	6.6
9	7.0	6.7	6.8	7.0	6.8	6.9	6.9	6.7	6.8	6.8	6.7	6.7
10	7.0	6.7	6.9	7.0	6.9	6.9	6.8	6.7	6.8	---	---	---
11	7.0	6.8	6.9	7.1	6.9	7.0	6.9	6.8	6.8	---	---	---
12	6.9	6.8	6.9	7.1	7.0	7.0	6.9	6.9	6.9	---	---	---
13	7.0	6.8	6.9	7.2	7.0	7.1	7.1	6.9	7.0	---	---	---
14	7.0	6.9	6.9	7.2	7.0	7.1	7.1	6.8	6.9	6.8	6.7	6.8
15	7.0	6.9	7.0	7.1	7.0	7.1	7.0	6.9	6.9	6.9	6.8	6.8
16	7.0	6.9	6.9	7.1	6.9	7.0	7.0	6.9	6.9	6.9	6.8	6.9
17	7.0	6.9	7.0	7.1	6.9	7.0	7.0	6.9	6.9	7.1	6.8	6.9
18	7.2	6.9	7.0	7.2	6.9	7.0	7.0	6.8	6.9	7.1	6.8	6.8
19	7.2	6.9	7.1	7.1	7.0	7.1	7.0	6.9	7.0	7.1	6.8	6.9
20	7.2	6.9	7.0	7.1	6.9	7.0	7.1	7.0	7.0	7.1	6.8	7.0
21	7.2	7.0	7.1	7.1	7.0	7.0	7.1	7.0	7.0	7.1	6.8	6.9
22	7.2	7.0	7.1	7.0	6.8	6.9	7.0	6.9	7.0	6.9	6.6	6.7
23	7.1	6.9	7.0	7.0	6.9	6.9	7.0	6.9	7.0	6.9	6.5	6.6
24	7.1	6.9	7.0	6.9	6.8	6.9	7.1	6.9	6.9	6.8	6.5	6.7
25	7.2	6.9	7.0	7.0	6.8	6.9	7.1	6.9	6.9	6.7	6.6	6.7
26	7.2	6.9	7.0	7.0	6.8	6.9	7.0	6.8	6.9	6.9	6.7	6.8
27	7.3	6.9	7.0	6.9	6.7	6.8	6.9	6.8	6.8	7.0	6.7	6.8
28	7.3	6.9	7.1	6.9	6.8	6.8	6.9	6.4	6.7	---	---	---
29	7.2	7.0	7.1	6.9	6.8	6.8	6.7	6.4	6.5	---	---	---
30	7.2	6.9	7.0	7.0	6.8	6.9	6.9	6.6	6.7	6.7	6.5	6.6
31	7.2	6.9	7.1	---	---	---	7.0	6.7	6.9	6.7	6.6	6.6
MONTH	7.3	6.5	6.9	7.2	6.7	7.0	7.1	6.4	6.9	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.7	6.6	6.7	7.0	6.7	6.8	6.7	6.6	6.6	7.1	6.8	6.9
2	6.9	6.7	6.7	7.0	6.7	6.8	6.6	6.5	6.6	7.1	6.8	6.9
3	6.8	6.7	6.7	7.0	6.7	6.7	6.6	6.5	6.6	6.8	6.6	6.8
4	6.8	6.6	6.7	7.0	6.7	6.8	6.7	6.6	6.6	6.8	6.7	6.7
5	6.9	6.5	6.6	6.9	6.7	6.7	6.7	6.3	6.5	6.7	6.7	6.7
6	6.7	6.6	6.6	7.0	6.7	6.8	6.7	6.3	6.5	6.7	6.6	6.7
7	6.7	6.7	6.7	6.8	6.7	6.7	---	---	---	6.8	6.7	6.8
8	7.0	6.6	6.7	7.1	6.7	7.0	6.4	6.3	6.4	6.8	6.7	6.8
9	6.6	6.5	6.6	7.1	7.0	7.0	6.6	6.4	6.5	6.8	6.7	6.7
10	6.8	6.6	6.6	7.1	6.8	7.0	6.6	6.5	6.6	6.8	6.7	6.7
11	7.1	6.6	6.8	7.0	6.7	6.8	6.6	6.6	6.6	6.8	6.7	6.7
12	6.7	6.6	6.7	7.1	6.8	6.8	6.7	6.6	6.6	6.7	6.6	6.6
13	6.7	6.7	6.7	6.9	6.8	6.8	6.8	6.6	6.7	6.8	6.6	6.7
14	6.8	6.7	6.7	6.9	6.8	6.9	6.9	6.6	6.7	6.8	6.7	6.8
15	6.9	6.7	6.8	7.0	6.8	6.9	6.7	6.6	6.7	6.7	6.6	6.7
16	6.8	6.7	6.8	7.2	6.9	7.0	6.8	6.6	6.7	6.6	6.5	6.6
17	---	---	---	7.0	6.9	6.9	6.7	6.6	6.7	6.6	6.6	6.6
18	---	---	---	7.2	6.9	7.0	6.8	6.7	6.7	6.7	6.6	6.6
19	---	---	---	7.2	6.9	7.0	6.8	6.7	6.7	6.7	6.6	6.6
20	6.7	6.6	6.7	7.2	6.9	7.1	6.8	6.7	6.8	6.7	6.5	6.6
21	6.8	6.7	6.7	7.2	6.8	7.0	6.8	6.7	6.8	6.7	6.6	6.6
22	6.8	6.7	6.8	7.0	6.9	6.9	6.9	6.7	6.8	6.7	6.6	6.7
23	6.8	6.7	6.7	7.0	6.9	6.9	6.8	6.7	6.8	6.8	6.6	6.7
24	6.9	6.6	6.7	7.1	6.8	7.0	6.8	6.7	6.8	6.7	6.6	6.6
25	6.7	6.6	6.6	7.1	6.8	6.8	6.9	6.8	6.8	6.7	6.6	6.6
26	6.7	6.6	6.6	7.1	6.8	6.9	6.9	6.8	6.8	6.6	6.6	6.6
27	6.7	6.6	6.7	6.9	6.9	6.9	7.1	6.8	6.9	6.6	6.6	6.6
28	6.8	6.7	6.7	6.9	6.8	6.9	7.0	6.8	6.9	6.7	6.6	6.7
29	---	---	---	6.9	6.8	6.9	7.0	6.8	6.9	6.8	6.7	6.7
30	---	---	---	6.9	6.8	6.9	7.1	6.8	6.9	6.7	6.5	6.6
31	---	---	---	6.8	6.6	6.7	---	---	---	6.5	6.5	6.5
MONTH	7.1	6.5	6.7	7.2	6.6	6.9	7.1	6.3	6.7	7.1	6.5	6.7

02160991 BROAD RIVER BELOW PARR SHOALS DAM--Continued

pH (UNITS), WATER YEAR OCTOBER 1973 to SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.5	6.4	6.5	6.7	6.3	6.4	6.6	6.5	6.6	6.7	6.6	6.7
2	6.5	6.4	6.5	6.7	6.4	6.5	6.6	6.5	6.6	6.8	6.6	6.7
3	6.6	6.5	6.5	6.5	6.3	6.4	6.9	6.5	6.6	6.8	6.6	6.7
4	6.6	6.5	6.5	6.5	6.4	6.4	6.7	6.6	6.6	6.8	6.6	6.7
5	6.5	6.4	6.5	6.6	6.4	6.5	6.6	6.5	6.6	6.7	6.5	6.7
6	6.6	6.4	6.5	6.5	6.4	6.5	6.6	6.5	6.5	6.7	6.6	6.7
7	6.6	6.4	6.5	6.6	6.4	6.5	6.5	6.4	6.5	6.6	6.3	6.5
8	6.7	6.5	6.5	6.5	6.0	6.3	6.5	6.5	6.5	6.5	6.3	6.4
9	6.8	6.5	6.6	6.5	6.2	6.2	6.6	6.4	6.5	6.6	6.5	6.5
10	6.8	6.4	6.6	6.3	6.2	6.2	6.5	6.3	6.4	6.7	6.5	6.6
11	6.6	6.4	6.5	6.4	6.3	6.3	6.4	6.3	6.4	6.7	6.5	6.6
12	6.7	6.4	6.5	6.4	6.3	6.4	6.4	6.4	6.4	6.7	6.5	6.6
13	6.7	6.4	6.5	6.5	6.4	6.5	6.5	6.4	6.4	6.7	6.5	6.6
14	6.6	6.4	6.5	6.6	6.5	6.5	6.6	6.4	6.5	6.7	6.6	6.7
15	6.8	6.5	6.6	6.6	6.5	6.6	6.5	6.4	6.5	6.8	6.6	6.7
16	6.9	6.5	6.6	6.6	6.5	6.5	6.5	6.4	6.5	6.8	6.6	6.8
17	6.9	6.5	6.6	6.6	6.5	6.5	6.7	6.4	6.6	6.8	6.6	6.7
18	6.9	6.6	6.7	6.7	6.5	6.6	6.7	6.5	6.6	6.8	6.7	6.8
19	6.9	6.6	6.7	6.6	6.5	6.6	6.7	6.5	6.6	6.8	6.7	6.8
20	6.7	6.5	6.6	6.7	6.6	6.6	6.8	6.6	6.6	6.8	6.7	6.8
21	6.6	6.5	6.5	6.6	6.5	6.6	6.8	6.6	6.6	6.9	6.8	6.8
22	6.7	6.4	6.5	6.8	6.6	6.6	6.8	6.6	6.7	6.9	6.8	6.9
23	6.8	6.5	6.6	6.7	6.5	6.6	6.8	6.5	6.6	6.9	6.7	6.8
24	6.6	6.5	6.6	6.7	6.6	6.6	6.8	6.6	6.7	7.0	6.7	6.8
25	6.6	6.5	6.6	6.7	6.6	6.6	6.8	6.6	6.7	7.1	6.8	6.9
26	6.6	6.5	6.5	6.8	6.4	6.6	6.8	6.6	6.7	7.0	6.8	6.9
27	6.6	6.5	6.5	6.7	6.6	6.6	6.7	6.6	6.7	7.0	6.9	6.9
28	6.6	6.5	6.6	6.8	6.6	6.6	6.8	6.6	6.7	7.1	6.9	7.0
29	6.6	6.4	6.5	6.7	6.6	6.6	6.8	6.6	6.7	7.0	6.9	7.0
30	6.6	6.3	6.4	6.9	6.6	6.7	6.8	6.7	6.7	6.9	6.7	6.8
31	---	---	---	6.7	6.5	6.6	6.8	6.6	6.7	---	---	---
MONTH	6.9	6.3	6.5	6.9	6.0	6.5	6.9	6.3	6.6	7.1	6.3	6.7
YEAR	7.3	6.0	6.7									

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°23'15", long 80°08'25", Berkeley County, at auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage, 7.0 mi (11.3 km) southwest of Pineville.

PERIOD OF RECORD.--Chemical analyses: December 1971 to September 1974.
Water temperatures: February 1973 to September 1974.
Sediment records: April 1973 to September 1974 (periodic).

EXTREMES, current year.--Specific conductance: Maximum, greater than 162 micromhos June 4, 5, 7; minimum 67 micromhos Feb. 26.
Water temperatures: Maximum: 29.5°C on several days during July and August; minimum, 7.0°C Dec. 22.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
OCT. 26...	0850	4270	18.5	9.5	77	7.2	24	--	15	0
NOV. 27...	1130	7800	18.0	9.4	82	7.2	24	0	20	0
DEC. 20...	1100	17000	11.0	10.5	90	7.2	26	0	18	0
JAN. 16...	1030	23800	12.0	10.4	78	7.1	22	0	21	3
FEB. 13...	1015	25000	12.5	10.4	75	7.3	20	0	13	0
MAR. 20...	1000	13900	15.5	9.8	72	7.3	20	0	16	0
APR. 25...	1015	21600	18.0	9.2	76	7.0	23	--	20	1
MAY 21...	0945	17200	24.0	7.6	78	7.2	24	0	21	2
JUNE 26...	1110	6340	26.0	7.6	82	7.4	24	0	22	3
JULY 31...	0945	12300	28.5	7.0	93	7.0	25	0	22	2
AUG. 29...	1115	13500	28.5	7.0	80	7.2	23	0	19	0
SEP. 25...	1000	13000	22.5	7.4	84	7.2	22	0	22	4

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	TURBIDITY (JTU)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 26...	3.3	1.6	.1	7.6	2.2	--	50	10	8	6.5
NOV. 27...	4.5	2.1	.2	8.0	2.4	57	54	9.8	1	7.7
DEC. 20...	3.4	2.4	.2	9.0	2.9	53	51	8.5	--	5.7
JAN. 16...	5.6	1.7	--	7.4	2.1	49	54	9.8	30	7.7
FEB. 13...	4.6	.3	--	6.7	1.8	66	49	11	20	6.6
MAR. 20...	3.6	1.6	.0	6.9	1.6	52	46	8.1	9	6.7
APR. 25...	4.9	1.9	.1	6.5	1.8	57	48	7.2	--	6.7
MAY 21...	5.6	1.8	.3	7.0	1.8	60	48	6.9	4	6.0
JUNE 26...	6.0	1.8	.2	7.3	1.7	88	51	7.6	5	7.0
JULY 31...	6.3	1.6	.2	10	1.8	72	56	9.1	5	6.3
AUG. 29...	4.7	1.8	.1	8.1	2.1	54	51	9.0	6	6.7
SEP. 25...	5.8	1.8	.1	8.6	2.0	57	54	10	3	6.2

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL PHYTO-PLANK-TON (CELLS PER ML)
OCT. 26...	6.6	--	--	--	--	.16	1*	2*	--
NOV. 27...	7.8	.11	.11	.49	.00	.00	7*	1*	3300
DEC. 20...	6.1	.26	.13	1.2	.13	.00	1*	1*	3000
JAN. 16...	8.7	.41	.14	1.8	.27	.06	5*	4*	1700
FEB. 13...	7.8	.68	.20	3.0	.48	.03	3*	4*	4000
MAR. 20...	7.2	.53	.42	2.3	.11	.04	1*	13*	7800
APR. 25...	7.2	--	--	--	.08	.02	4*	1*	6300
MAY 21...	7.2	.18	.14	.80	.04	.02	2*	1*	9600
JUNE 26...	7.3	--	--	--	.02	.01	2*	**	49000
JULY 31...	8.4	.36	.35	1.6	.01	.01	2*	1*	22000
AUG. 29...	7.5	.33	.32	1.5	.01	.02	1*	2*	5100
SEP. 25...	8.7	.60	.47	2.7	.13	.02	5*	--	6000

DATE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
DEC. 20...	1100	0	2	1	4	0	0	3	3	1	3	50
MAR. 20...	1000	3	8	4	5	0	0	8	8	4	34	100
JUNE 26...	1110	0	0	0	1	1	1	0	0	3	3	0
SEP. 25...	1000	1	1	1	2	1	1	0	8	6	12	10

DATE	TOTAL IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 20...	450	0	5	0	20	--	.0	8	12	20	40	5.7
MAR. 20...	560	13	70	0	25	.0	.4	20	--	20	30	4.1
JUNE 26...	230	3	3	17	88	.0	.0	0	0	0	50	--
SEP. 25...	260	13	17	0	60	.0	.1	0	0	30	230	3.8

*Values based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

INSTANTANEOUS SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT.						
26...	0850	18.5	4270	20	231	--
NOV.						
27...	1130	18.0	7800	11	231	100
DEC.						
20...	1100	11.0	17000	10	459	100
JAN.						
16...	1030	12.0	23800	65	4180	--
FEB.						
13...	1015	12.5	25000	21	1420	100
MAR.						
20...	1000	15.5	13900	21	788	100
APR.						
25...	1015	18.0	21600	24	1400	100
MAY						
21...	0945	24.0	17200	12	557	100
JUNE						
26...	1110	26.0	6340	13	223	100
JULY						
31...	0945	28.5	12300	32	1060	100
AUG.						
29...	1115	28.5	13500	6	219	100
SEP.						
25...	1000	22.5	13000	15	526	100

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 to SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.5	26.0	26.5	16.5	16.0	16.5	14.5	14.5	14.5	12.5	12.0	12.0
2	26.0	26.0	26.0	17.5	16.0	16.5	14.5	14.5	14.5	12.5	11.0	12.0
3	26.5	26.0	26.5	18.0	17.0	17.5	15.0	14.5	14.5	11.0	11.0	11.0
4	26.5	26.0	26.5	18.5	17.5	18.0	15.0	14.5	15.0	11.5	11.0	11.5
5	27.0	26.0	26.5	19.0	18.5	18.5	16.0	15.0	15.5	11.5	11.0	11.5
6	27.0	26.0	26.0	18.5	17.5	18.0	16.0	15.0	15.5	11.5	11.0	11.5
7	25.5	25.0	25.5	17.5	17.0	17.0	15.0	14.0	14.5	12.5	11.5	12.0
8	25.0	25.0	25.0	17.5	17.0	17.0	14.0	12.5	13.5	12.5	11.5	12.0
9	25.0	24.5	25.0	17.5	17.5	17.5	12.5	12.0	12.0	12.5	11.5	12.0
10	25.0	24.5	24.5	17.5	15.0	16.0	12.0	11.5	12.0	13.5	12.5	13.0
11	24.5	24.0	24.5	15.0	14.5	15.0	11.5	9.5	10.5	14.0	13.5	13.5
12	24.0	23.5	23.5	14.5	14.5	14.5	10.5	9.5	10.0	14.0	13.0	13.5
13	23.5	23.0	23.5	15.0	14.5	14.5	11.0	10.5	11.0	13.0	11.5	12.0
14	23.5	23.0	23.5	15.5	15.0	15.0	11.0	10.5	11.0	11.5	10.5	11.0
15	23.5	23.0	23.0	16.0	15.5	15.5	11.5	11.0	11.0	11.5	10.5	11.0
16	23.0	23.0	23.0	16.0	15.5	16.0	11.5	10.5	11.0	13.0	11.5	12.0
17	23.0	21.5	22.5	16.0	15.5	15.5	10.5	8.5	9.5	13.0	12.5	13.0
18	21.5	20.5	21.0	15.5	15.0	15.0	9.0	8.0	8.5	13.0	12.5	12.5
19	21.0	20.5	21.0	16.0	15.0	15.5	9.0	8.5	8.5	12.5	12.0	12.5
20	21.5	20.5	21.0	16.0	16.0	16.0	10.0	9.0	9.5	12.5	12.0	12.0
21	21.5	20.5	21.0	16.0	15.5	15.5	10.0	8.0	9.5	13.5	12.5	13.0
22	20.5	20.0	20.5	16.5	16.0	16.0	7.5	7.0	7.5	14.0	13.0	13.5
23	20.0	19.5	20.0	17.0	16.5	17.0	8.0	7.5	7.5	14.0	13.0	13.5
24	20.0	19.5	20.0	17.0	16.5	17.0	8.5	8.0	8.0	14.5	13.5	14.0
25	20.0	19.5	19.5	17.0	16.5	17.0	9.5	8.5	9.0	15.0	14.0	14.5
26	20.0	19.5	19.5	18.0	17.0	17.5	10.5	9.5	10.0	15.0	13.5	14.5
27	20.5	20.0	20.0	18.0	17.5	18.0	11.0	10.5	11.0	15.0	14.5	14.5
28	20.0	20.0	20.0	18.0	17.5	17.5	10.5	10.0	10.5	15.5	15.0	15.0
29	20.0	18.5	19.5	18.0	15.0	16.0	10.5	9.5	10.0	15.5	15.0	15.0
30	18.5	16.5	18.0	15.0	14.0	14.5	11.0	10.5	10.5	15.0	15.0	15.0
31	17.5	16.5	16.5	---	---	---	12.0	11.0	11.0	15.5	15.0	15.0
MONTH	27.0	16.5	22.5	19.0	14.0	16.5	16.0	7.0	11.0	15.5	10.5	13.0

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.5	15.0	15.0	11.5	10.5	11.0	17.5	15.5	16.5	23.0	21.5	22.0
2	16.0	15.0	15.5	12.5	11.5	12.0	17.5	17.0	17.0	22.5	22.0	22.0
3	16.5	16.0	16.0	13.0	12.0	12.5	18.0	17.0	17.5	23.0	22.0	22.5
4	16.0	14.5	15.5	13.5	12.5	13.0	19.0	17.5	18.5	23.0	22.5	23.0
5	14.0	13.0	13.5	14.0	13.0	13.5	19.0	18.0	19.0	23.0	22.0	22.5
6	14.0	13.5	13.5	14.5	13.5	14.0	18.0	16.0	16.5	22.0	21.5	21.5
7	14.5	14.0	14.0	15.5	14.0	14.5	16.5	15.5	16.0	22.0	21.5	21.5
8	15.0	14.5	14.5	15.5	14.5	15.0	16.5	16.5	16.5	22.0	21.5	21.5
9	14.5	13.0	13.5	16.0	15.0	15.5	16.5	16.0	16.5	22.0	21.0	21.5
10	13.0	12.0	12.5	17.5	15.5	16.0	16.5	15.5	16.0	23.5	21.5	22.0
11	12.5	12.0	12.0	17.0	14.0	15.0	17.0	16.0	16.5	23.5	22.5	23.0
12	12.5	12.0	12.0	15.0	14.0	14.5	17.0	16.5	17.0	23.0	22.0	22.5
13	13.0	12.0	12.5	15.0	14.5	14.5	17.5	17.0	17.5	23.5	22.5	22.5
14	13.0	12.5	13.0	14.5	14.0	14.5	19.0	17.5	18.5	23.0	22.5	23.0
15	13.5	13.0	13.5	14.5	13.5	14.5	20.0	19.0	19.5	23.5	22.5	23.0
16	13.0	11.5	12.5	15.0	14.5	14.5	19.5	18.5	19.0	24.0	23.0	23.5
17	11.5	11.0	11.0	14.5	13.5	14.0	19.0	18.0	18.5	24.5	23.5	24.0
18	11.5	11.0	11.5	14.5	13.0	13.5	19.0	18.0	18.5	25.0	24.0	24.5
19	12.0	11.5	11.5	15.5	14.0	14.5	19.5	18.0	18.5	25.5	24.5	25.0
20	12.0	11.5	11.5	16.5	15.5	15.5	19.0	18.0	19.0	25.0	24.5	25.0
21	12.5	11.5	12.0	16.5	16.0	16.0	19.0	18.0	18.5	24.5	24.0	24.0
22	13.5	12.5	13.0	16.5	16.0	16.0	19.5	18.5	19.0	24.0	23.5	24.0
23	13.0	11.5	12.0	15.5	15.0	15.0	20.0	19.0	19.5	24.5	24.0	24.0
24	12.5	11.5	12.0	16.5	15.0	15.5	19.5	19.0	19.0	25.5	24.5	25.0
25	12.5	10.5	11.5	16.5	14.0	15.5	19.0	18.0	18.5	26.5	25.5	26.0
26	10.5	9.5	9.5	14.0	13.5	13.5	19.5	18.5	19.0	26.5	25.5	26.0
27	10.5	9.5	10.0	15.0	13.5	14.5	20.0	18.0	19.0	26.0	24.5	25.0
28	11.0	10.0	10.5	16.0	14.5	15.0	21.0	19.0	20.0	24.5	24.0	24.0
29	---	---	---	16.0	15.5	16.0	21.0	20.0	20.5	24.5	24.0	24.5
30	---	---	---	16.0	15.5	16.0	22.0	20.5	21.0	25.5	24.5	25.0
31	---	---	---	16.0	15.0	15.5	---	---	---	27.0	25.5	26.0
MONTH	16.5	9.5	12.5	17.5	10.5	14.5	22.0	15.5	18.0	27.0	21.0	23.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.5	26.5	27.0	27.5	26.5	27.0	29.0	28.0	28.5	29.0	28.5	29.0
2	27.0	26.0	26.5	28.0	27.0	27.5	28.0	27.5	28.0	29.0	28.0	28.5
3	26.0	25.0	25.5	27.5	27.0	27.0	28.5	27.5	28.0	29.0	28.5	28.5
4	25.5	25.0	25.0	27.0	26.5	27.0	28.0	28.0	28.0	28.5	28.0	28.5
5	25.0	25.0	25.0	27.0	26.5	26.5	28.0	27.5	28.0	28.5	27.5	28.0
6	25.5	24.5	25.0	27.0	26.5	27.0	27.5	27.0	27.5	27.0	25.5	26.0
7	26.0	25.0	25.5	27.5	26.5	27.0	27.0	27.0	27.0	27.0	26.5	27.0
8	26.5	25.5	26.0	28.0	27.0	27.5	27.0	27.0	27.0	26.5	26.0	26.0
9	27.5	26.0	26.5	28.5	27.5	28.0	27.5	26.5	27.0	26.5	25.5	26.0
10	28.0	26.5	27.5	29.0	28.0	28.5	28.5	27.5	28.0	27.5	26.0	26.5
11	28.0	27.0	27.5	29.5	28.5	29.0	28.0	27.5	27.5	28.0	27.0	27.5
12	28.0	27.0	27.5	29.0	28.5	28.5	28.0	27.0	27.5	27.5	27.0	27.5
13	28.0	27.5	27.5	28.5	27.0	28.0	27.5	27.0	27.0	28.0	26.5	27.0
14	28.0	27.0	27.0	28.5	27.5	28.0	27.5	27.0	27.0	28.0	27.0	27.5
15	27.0	26.5	26.5	28.5	27.5	28.0	28.0	27.0	27.5	28.0	27.5	27.5
16	27.0	26.0	26.5	28.5	28.0	28.0	28.0	27.5	27.5	---	---	---
17	27.5	26.5	27.0	28.0	27.5	28.0	28.5	27.5	28.0	---	---	---
18	27.0	27.0	27.0	28.0	27.5	28.0	29.5	28.0	28.5	---	---	---
19	27.5	27.0	27.0	28.5	27.5	28.0	29.5	28.5	29.0	---	---	---
20	28.0	26.5	27.5	29.0	28.0	28.5	29.5	28.0	29.0	---	---	---
21	28.5	27.5	27.5	29.0	27.5	28.0	28.0	27.5	28.0	---	---	---
22	29.0	27.5	28.0	27.5	27.0	27.5	27.5	27.5	27.5	---	---	---
23	28.5	28.0	28.5	27.5	27.0	27.0	27.5	27.0	27.5	---	---	---
24	28.0	26.5	27.5	28.0	27.0	27.5	28.5	27.5	27.5	---	---	---
25	26.5	26.5	26.5	28.0	27.5	28.0	29.0	27.5	28.0	22.5	22.0	22.5
26	27.0	26.0	26.5	28.0	27.5	28.0	29.0	28.0	28.5	22.5	22.0	22.0
27	26.0	25.5	25.5	27.5	27.5	27.5	29.5	28.5	29.0	23.0	22.5	22.5
28	26.0	25.5	25.5	28.0	27.5	27.5	29.0	28.5	29.0	24.5	23.0	23.5
29	27.0	26.0	26.5	29.0	28.0	28.5	29.5	28.5	29.0	25.0	24.0	24.5
30	27.5	27.0	27.0	29.5	28.5	29.0	29.5	29.0	29.5	25.0	24.0	24.5
31	---	---	---	29.5	28.5	28.5	29.0	28.5	29.0	---	---	---
MONTH	29.0	24.5	26.5	29.5	26.5	28.0	29.5	26.5	28.0	---	---	---
YEAR	29.5	7.0	20.0									

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM^2 AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	83	80	81	91	84	86	86	84	85	96	95	96
2	83	80	82	85	84	84	86	84	85	96	95	96
3	84	80	82	86	84	85	87	84	85	96	95	95
4	85	84	85	88	84	86	88	86	87	98	96	96
5	87	85	86	88	85	86	87	84	86	98	97	98
6	87	86	87	86	84	86	88	86	88	99	97	98
7	87	86	87	85	84	85	88	88	88	102	100	101
8	87	86	87	85	84	84	88	84	86	102	96	99
9	87	86	87	85	84	85	86	84	85	96	95	96
10	87	86	86	86	84	85	87	86	86	96	96	96
11	87	86	87	85	84	84	86	84	85	96	93	95
12	86	85	85	85	84	85	85	84	85	92	86	89
13	86	84	85	86	82	83	85	84	85	90	86	88
14	85	84	85	83	82	82	86	84	85	92	90	91
15	85	84	85	83	82	82	87	86	87	92	82	88
16	86	84	85	83	82	83	87	84	86	82	79	80
17	86	84	85	84	83	84	85	84	84	84	80	82
18	86	84	85	83	82	83	87	84	86	88	83	85
19	86	84	85	84	83	83	87	86	87	90	87	89
20	87	84	85	87	84	85	87	86	86	87	83	84
21	87	84	85	88	84	85	88	87	87	86	84	85
22	86	84	84	86	85	85	87	85	87	84	81	82
23	87	84	84	87	85	86	85	84	85	84	82	83
24	85	84	84	87	84	86	86	84	85	82	78	80
25	88	83	85	91	86	88	86	85	85	80	76	78
26	85	84	84	90	84	87	87	84	86	83	77	80
27	87	84	85	86	85	86	90	88	90	82	81	81
28	87	84	85	87	84	85	92	90	91	82	81	81
29	91	84	86	86	85	85	92	91	92	82	80	81
30	93	85	86	85	84	84	94	92	93	82	81	82
31	93	82	86	---	---	---	96	93	94	83	82	82
MONTH	93	80	85	91	82	85	96	84	87	102	76	88

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	84	82	83	72	71	72	87	82	84	84	78	82
2	85	84	85	76	72	75	86	83	84	82	75	78
3	85	84	84	77	76	76	86	82	84	83	80	81
4	84	82	83	77	76	77	86	83	84	82	79	81
5	84	81	82	78	76	77	86	84	85	84	81	82
6	87	84	86	80	78	79	84	83	84	84	78	82
7	86	83	85	80	79	80	85	83	84	84	81	83
8	82	78	81	80	78	79	85	84	85	86	84	84
9	78	74	76	80	78	79	85	84	84	87	85	86
10	76	73	74	81	79	80	85	84	84	87	83	85
11	74	70	72	84	81	82	85	85	85	89	83	86
12	76	70	73	85	84	84	86	84	86	87	83	85
13	78	76	77	86	84	85	87	86	86	85	82	84
14	77	75	76	87	83	85	87	86	86	85	82	83
15	78	75	77	85	83	84	87	85	86	84	81	82
16	81	79	80	85	82	84	87	83	85	84	79	81
17	80	74	77	82	79	80	84	83	83	84	79	81
18	74	73	73	81	79	80	83	82	83	86	84	85
19	78	73	75	82	80	80	84	81	83	94	82	87
20	73	70	71	83	81	82	84	82	83	97	91	94
21	74	69	71	83	80	81	86	84	85	90	82	87
22	79	73	75	82	80	80	86	84	85	89	79	85
23	73	68	69	84	81	82	85	78	83	114	88	98
24	72	69	71	83	81	82	79	77	78	95	87	92
25	72	68	70	84	79	82	83	79	81	93	83	90
26	69	67	68	82	79	81	84	82	83	90	83	88
27	72	68	70	83	80	81	83	81	83	94	85	90
28	72	71	72	84	81	82	83	81	82	98	90	95
29	---	---	---	84	81	83	84	81	82	98	93	96
30	---	---	---	85	81	83	84	81	82	94	83	90
31	---	---	---	85	81	83	---	---	---	106	82	95
MONTH	87	67	76	87	71	81	87	77	84	114	75	86

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM^2 AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	101	89	94	86	85	85	95	93	94	82	81	82
2	119	89	103	87	86	86	94	92	93	83	82	82
3	133	121	127	87	87	87	94	92	93	83	82	82
4	---	135	---	88	87	88	96	91	93	83	81	82
5	---	148	---	89	87	88	94	90	92	83	82	82
6	162	116	138	88	87	88	91	88	90	88	79	83
7	---	108	---	89	87	88	89	86	87	83	83	83
8	162	114	129	92	87	88	87	86	87	84	83	83
9	114	103	109	89	87	88	88	85	87	84	83	84
10	124	108	114	89	88	88	87	86	87	85	83	84
11	137	125	130	89	87	89	87	86	87	84	83	84
12	141	133	137	90	89	89	86	85	86	85	84	85
13	140	128	134	91	89	90	87	84	86	87	85	86
14	130	88	112	92	90	91	84	83	84	87	85	86
15	89	85	87	92	90	91	85	84	84	86	85	86
16	91	85	87	93	91	92	85	84	84	---	---	---
17	91	82	88	94	91	92	85	84	84	---	---	---
18	94	88	92	93	91	92	86	85	85	---	---	---
19	89	83	86	93	91	92	86	85	85	---	---	---
20	87	82	84	93	91	92	87	85	85	---	---	---
21	86	83	85	94	91	92	86	84	85	---	---	---
22	85	81	83	94	91	92	85	83	84	---	---	---
23	87	84	85	94	92	93	85	83	84	---	---	---
24	87	84	86	94	92	93	83	82	82	---	---	---
25	87	82	84	96	92	94	83	81	82	91	83	85
26	85	80	82	94	93	94	82	81	81	87	85	86
27	84	83	83	96	93	94	82	80	81	92	86	89
28	84	84	84	95	93	94	81	79	80	91	84	88
29	85	84	84	95	93	94	81	75	77	90	87	88
30	85	84	85	94	92	93	80	79	80	90	87	88
31	---	---	---	94	93	94	82	79	81	---	---	---
MONTH	162	80	100	96	85	91	96	75	85	---	---	---
YEAR	162	67	86									

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, at gaging station on right bank 2.4 mi (3.9 km) downstream from Lake Marion Dam, 3.0 mi (4.8 km) upstream from Dead River, 6.7 mi (10.8 km) west of Pineville, and at mile 85.0 (136.8 km).

DRAINAGE AREA.--14,700 mi² (38,100 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1952, January 1966 to September 1971, July 1972 to July 1973, January to September 1974.
Sediment records: November 1966 to June 1968, January to September 1974 (periodic).

CHEMICAL ANALYSES, JANUARY TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TOTAL NITROGEN (N) (MG/L)
JAN. 16...	1215	458	12.5	10.4	96	7.2	1.3
FEB. 13...	1145	8680	13.0	11.0	87	7.3	.56
MAR. 20...	1130	476	16.0	9.0	76	7.2	.55
APR. 25...	1150	787	18.5	8.6	85	7.0	.36
MAY 21...	1115	614	23.5	6.6	77	6.7	.35
JUNE 26...	1250	560	26.0	7.3	80	7.0	--
JULY 31...	1100	494	28.0	7.0	90	7.0	.65
AUG. 29...	1230	506	29.0	7.4	90	7.0	.40
SEP. 25...	1145	522	23.5	8.0	88	7.0	.46

DATE	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL PHYTOPLANKTON (CELLS PER ML)
JAN. 16...	.32	5.8	1.0	.06	18*	2*	--
FEB. 13...	.19	2.5	.37	.09	2*	4*	--
MAR. 20...	.37	2.4	.18	.04	4*	15*	--
APR. 25...	.26	1.6	.10	.05	5*	2*	--
MAY 21...	.27	1.6	.08	.02	25	14*	--
JUNE 26...	--	--	.12	.02	55	11*	--
JULY 31...	.59	2.9	.06	.03	20	4*	--
AUG. 29...	.38	1.8	.02	.02	29	3*	30000
SEP. 25...	.29	2.0	.17	.02	60	--	3300

*Value based on non-ideal colony count.

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.--Continued

CHEMICAL ANALYSES, JANUARY TO SEPTEMBER 1974--Continued

DATE	TIME	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
JAN. 16...	1215	23	0	--	--	--	--	--	--	--
FEB. 13...	1145	23	0	--	--	--	--	.1	--	--
MAR. 20...	1130	23	0	18	0	4.5	1.7	.0	6.9	1.5
JUNE 26...	1250	25	0	25	4	6.9	1.8	.2	7.4	1.7
SEP. 25...	1145	25	0	15	0	3.5	1.6	.2	8.5	2.0

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	TURBIDITY (JTU)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)
JAN. 16...	--	--	9.1	5	8.9	9.8	--	--	--	--
FEB. 13...	74	--	10	6	8.6	9.3	--	--	--	--
MAR. 20...	49	48	8.8	8	5.9	7.4	6	6	4	4
JUNE 26...	72	52	7.8	4	6.8	7.1	2	0	1	16
SEP. 25...	72	53	10	2	6.0	8.8	1	1	0	0

DATE	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAR. 20...	0	0	8	8	6	7	150	610	16	17
JUNE 26...	0	0	2	0	4	4	0	330	0	0
SEP. 25...	0	10	0	0	5	13	20	170	3	12

DATE	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR. 20...	25	40	.0	.1	8	--	0	30	3.7
JUNE 26...	17	75	.0	.2	0	0	20	70	14
SEP. 25...	0	50	.0	.1	0	1	10	10	7.3

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.--Continued

INSTANTANEOUS SUSPENDED SEDIMENT, JANUARY TO SEPTEMBER 1974

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
JAN.						
16...	1215	12.5	458	30	37	100
FEB.						
13...	1145	13.0	8680	34	797	100
MAR.						
20...	1130	16.0	476	23	29	100
APR.						
25...	1150	18.5	787	57	121	33
MAY						
21...	1115	23.5	614	15	24	100
JUNE						
26...	1250	26.0	560	76	115	26
JULY						
31...	1100	28.0	494	8	11	100
AUG.						
29...	1230	29.0	506	8	11	100
SEP.						
25...	1145	23.5	522	1	1.4	100

SANTEE RIVER BASIN

02171650 SANTEE RIVER BELOW ST. STEPHENS, S.C.

LOCATION.--Lat 33°24'05", long 79°51'20", Berkeley County, at gaging station, 600 ft (180 m) downstream from Mattassee Lake, on Tract 13P of Francis Marion National Forest, 3.9 mi (6.3 km) east of St. Stephens, and at mile 52.0 (83.7 km).

DRAINAGE AREA.--14,900 mi^2 (38,600 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: January to September 1974.

CHEMICAL ANALYSES, JANUARY TO SEPTEMBER 1974

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED IRON (FE) (UG/L)
JAN.							
16...	1340	655	13.0	10.0	130	7.0	--
FEB.							
13...	1250	14000	12.5	9.9	90	7.0	60
MAR.							
20...	1350	1170	17.5	7.0	110	6.8	230
APR.							
25...	1300	1900	18.5	7.4	95	6.7	220
MAY							
21...	1230	953	22.5	6.2	82	6.5	130
JUNE							
26...	1345	911	26.5	8.4	95	7.0	0
JULY							
31...	1215	771	30.0	7.7	105	7.0	20
AUG.							
29...	1345	771	29.0	6.6	85	6.5	220
SEP.							
25...	1315	764	20.5	8.3	90	7.0	80

02171650 SANTEE RIVER BELOW ST. STEPHENS.--Continued

CHEMICAL ANALYSES, JANUARY TO SEPTEMBER 1974.--Continued

DATE	TOTAL IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	TUR-BID-ITY (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
JAN.							
16...	1400	50	50	15	<1.0	5	16
FEB.							
13...	830	60	130	4.5	<1.0	8	8
MAR.							
20...	1900	90	90	10	1.0	10	28
APR.							
25...	1800	130	130	12	--	12	13
MAY							
21...	1800	150	150	--	1.5	18	40
JUNE							
26...	850	83	130	17	2.0	12	8
JULY							
31...	750	100	150	4.7	--	10	4
AUG.							
29...	1700	63	110	13	--	10	7
SEP.							
25...	890	80	100	15	1.5	6	4

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.

LOCATION.--Lat 33°02'26", long 79°56'14", Berkeley County, on right bank 6.2 mi (10.0 km) downstream from Seaboard Coast Line Railroad bridge, 7.4 mi (11.9 km) upstream from Goose Creek, and at mile 28.5 (45.9 km).

PERIOD OF RECORD.--Chemical analyses: October 1970 to current year.
Water temperature: October 1970 to current year.

EXTREMES, CURRENT YEAR.--Specific conductance: Maximum, greater than 372 micromhos on several days during the last of Oct. and the first of Nov.; minimum 59 micromhos Aug. 29.
Temperature: Maximum 29.5°C July 20; minimum 8.5°C Dec. 23, 24.

Period of record: Specific conductance: Maximum, greater than 516 micromhos Oct. 9-19, 1971; minimum 31 micromhos July 21, 1971.
Water temperature: Maximum 33.0°C July 18, 19, 1971; minimum 4.5°C Feb. 15, 1971.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	90	78	83	---	---	---	86	77	80	84	79	80
2	89	77	82	---	---	---	84	76	80	89	80	83
3	84	79	81	---	---	---	82	75	77	84	79	81
4	82	79	81	---	---	---	83	75	78	88	79	81
5	83	80	81	246	83	126	82	76	77	85	80	81
6	81	78	80	130	81	98	82	77	80	89	80	82
7	81	78	79	92	79	83	80	78	79	87	81	83
8	79	77	78	85	79	81	84	78	80	86	82	84
9	83	76	78	84	79	81	83	78	80	89	82	84
10	80	77	78	89	80	83	82	78	80	87	82	84
11	81	77	79	89	77	81	84	79	80	89	83	85
12	82	77	79	91	79	83	81	79	80	90	84	87
13	82	76	78	92	81	85	83	78	79	92	86	88
14	81	76	78	94	81	86	84	79	80	94	86	89
15	81	76	78	95	82	87	86	79	80	93	86	88
16	80	75	77	90	79	83	83	79	80	95	86	89
17	79	75	77	84	79	82	85	78	81	96	85	90
18	80	75	76	85	79	81	84	79	80	94	85	89
19	80	74	76	85	79	81	88	78	80	94	85	89
20	102	75	84	86	79	82	85	77	79	94	84	88
21	141	78	103	88	78	81	87	77	80	94	84	87
22	237	83	146	91	78	83	87	78	81	92	83	87
23	297	91	182	95	80	86	84	78	80	89	83	85
24	372	99	219	108	81	90	83	78	80	90	82	84
25	---	109	---	117	82	94	82	78	79	89	82	84
26	---	115	---	123	81	94	82	78	79	86	81	83
27	348	86	172	109	79	89	86	78	79	86	81	82
28	---	---	---	94	79	83	83	78	80	88	81	83
29	---	---	---	86	79	82	85	78	79	85	80	82
30	---	---	---	85	78	80	82	79	80	84	79	80
31	---	---	---	---	---	---	85	79	80	88	78	81
MONTH	372	74	96	246	77	86	88	75	80	96	78	85

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	87	76	80	81	75	77	88	77	80	86	81	83
2	89	77	79	81	75	77	90	77	80	86	81	83
3	90	77	80	82	75	77	85	77	79	86	81	83
4	88	77	80	80	75	77	87	77	79	88	81	83
5	83	76	78	79	75	76	87	77	79	92	82	87
6	80	75	77	80	75	76	90	77	81	98	83	89
7	80	74	76	80	75	76	88	77	80	96	82	86
8	85	71	77	81	75	77	85	77	79	91	80	84
9	85	74	76	81	75	77	90	77	80	87	81	83
10	84	72	76	83	75	77	90	77	81	89	81	84
11	85	72	75	88	76	78	88	77	81	90	81	84
12	83	71	75	80	75	77	89	78	81	94	72	84
13	82	72	77	82	75	77	91	78	81	92	79	84
14	80	79	79	82	75	78	90	78	81	92	80	84
15	81	79	79	83	75	79	91	79	83	91	79	83
16	82	79	80	86	76	78	90	79	84	94	82	87
17	82	78	79	87	76	79	92	79	83	96	83	87
18	81	78	79	82	75	77	89	79	83	93	82	86
19	80	77	78	85	75	77	93	79	84	93	82	86
20	85	77	78	80	76	77	96	80	85	94	82	86
21	81	77	78	83	76	78	92	80	84	91	81	85
22	85	77	78	86	76	79	94	80	84	89	81	83
23	79	77	78	83	76	78	94	80	85	88	81	84
24	79	77	78	87	76	78	94	80	85	91	82	85
25	81	76	77	86	75	78	95	77	84	90	81	85
26	81	76	78	83	75	78	85	78	81	103	80	84
27	82	76	77	83	76	78	87	78	81	87	80	83
28	83	76	77	85	75	79	85	78	81	87	79	82
29	---	---	---	86	77	79	88	79	82	86	78	83
30	---	---	---	89	76	80	86	80	82	86	81	84
31	---	---	---	90	76	81	---	---	---	88	82	85
MONTH	90	71	78	90	75	78	96	77	82	103	72	84

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	86	79	83	80	77	79	88	81	85	97	87	92
2	88	78	84	82	76	80	90	82	86	---	---	---
3	88	79	84	83	78	80	91	81	87	---	---	---
4	88	80	84	81	78	79	94	87	91	---	---	---
5	88	78	84	86	77	82	101	91	96	---	---	---
6	85	78	81	82	73	79	125	89	104	---	---	---
7	84	76	80	83	79	81	127	93	109	---	---	---
8	84	74	80	83	79	81	112	88	98	---	---	---
9	86	76	82	82	77	79	139	114	126	---	---	---
10	91	75	84	79	76	77	116	103	110	---	---	---
11	99	77	86	83	78	81	106	89	96	---	---	---
12	86	75	82	83	76	79	95	85	91	---	---	---
13	85	76	81	79	74	76	91	86	89	---	---	---
14	84	72	79	79	72	76	99	86	93	---	---	---
15	85	75	81	79	73	77	112	97	106	---	---	---
16	87	76	79	80	74	77	244	96	119	---	---	---
17	87	74	81	86	78	82	121	91	104	---	---	---
18	90	73	81	85	82	84	92	78	85	---	---	---
19	88	74	80	84	81	83	94	79	85	---	---	---
20	88	72	76	84	76	80	90	80	84	---	---	---
21	83	71	75	81	79	80	86	76	82	---	---	---
22	85	75	81	80	77	78	105	77	91	---	---	---
23	97	86	91	78	72	76	94	78	87	---	---	---
24	111	94	103	78	75	76	97	75	87	---	---	---
25	104	100	101	78	75	77	92	77	83	---	---	---
26	103	88	95	77	76	76	86	71	80	---	---	---
27	82	76	79	77	73	75	89	69	80	---	---	---
28	78	75	77	79	76	77	87	75	81	---	---	---
29	80	74	77	79	75	77	81	59	72	---	---	---
30	81	76	78	78	75	77	94	84	87	---	---	---
31	---	---	---	79	61	71	95	85	89	---	---	---
MONTH	111	71	83	86	61	78	244	59	92	---	---	---
YEAR	372	59	84									

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.5	27.0	27.5	---	---	---	15.5	15.0	15.5	11.5	11.0	11.5
2	27.5	27.0	27.0	---	---	---	15.5	15.0	15.0	11.5	11.0	11.5
3	27.0	26.5	27.0	---	---	---	15.5	15.0	15.0	11.5	11.0	11.0
4	27.0	26.5	27.0	---	---	---	16.0	14.5	15.5	12.0	11.5	11.5
5	27.0	26.5	26.5	19.0	18.5	19.0	16.5	15.5	16.0	12.0	11.5	12.0
6	27.0	26.5	26.5	19.0	18.0	18.5	16.5	15.5	16.0	12.0	11.5	12.0
7	26.5	25.5	26.0	18.0	17.0	17.5	15.5	15.0	15.0	13.0	12.0	12.5
8	26.0	25.5	25.5	17.5	17.0	17.5	15.0	14.0	14.5	13.0	12.5	12.5
9	25.5	25.5	25.5	18.0	17.5	17.5	14.0	13.5	13.5	13.0	12.5	12.5
10	25.5	25.5	25.5	17.5	16.0	17.0	13.5	13.0	13.5	13.5	12.5	13.0
11	25.5	25.0	25.0	16.5	15.5	15.5	13.5	12.0	12.5	14.0	13.0	13.5
12	25.0	24.5	25.0	15.5	14.5	15.0	12.0	11.5	12.0	14.0	13.5	13.5
13	25.0	24.5	24.5	15.5	14.5	15.0	12.0	11.5	11.5	13.5	12.5	12.5
14	24.5	24.0	24.5	16.0	15.0	15.5	12.0	11.5	12.0	12.5	11.5	12.0
15	24.5	24.0	24.5	16.5	15.5	16.0	12.0	11.5	12.0	13.0	12.0	12.5
16	24.5	24.0	24.0	16.5	16.0	16.5	12.0	11.5	12.0	13.5	12.5	13.0
17	24.0	22.5	23.5	16.5	15.5	16.0	11.5	10.5	11.0	13.0	12.5	13.0
18	22.5	22.0	22.0	15.5	15.0	15.5	10.5	9.5	10.0	13.0	13.0	13.0
19	22.0	21.5	22.0	16.0	15.5	15.5	10.5	9.5	10.0	13.0	12.5	13.0
20	22.0	21.5	21.5	16.5	15.5	16.0	10.5	10.0	10.5	13.0	13.0	13.0
21	21.5	21.5	21.5	16.5	16.0	16.5	10.5	9.5	10.5	14.0	13.0	13.5
22	21.5	21.0	21.0	17.0	16.5	16.5	9.5	9.0	9.0	14.0	13.5	13.5
23	21.0	20.5	21.0	17.0	16.5	17.0	9.0	8.5	9.0	14.0	13.5	14.0
24	21.0	20.5	21.0	17.5	16.5	17.0	9.5	8.5	9.0	14.5	14.0	14.0
25	21.0	20.5	21.0	17.5	17.0	17.5	9.5	9.0	9.5	15.0	14.0	14.5
26	21.0	20.5	21.0	18.0	17.5	17.5	10.5	9.5	10.0	15.0	14.0	14.5
27	21.0	20.5	21.0	18.5	17.5	18.0	10.5	10.0	10.5	15.0	14.0	14.5
28	---	---	---	18.0	17.0	17.5	10.5	10.0	10.0	15.5	14.5	15.0
29	---	---	---	17.0	16.0	16.5	10.5	9.5	10.0	15.5	14.5	15.0
30	---	---	---	16.0	15.0	15.5	11.0	10.5	10.5	15.5	15.0	15.0
31	---	---	---	---	---	---	11.5	10.5	11.0	16.0	15.0	15.5
MONTH	27.5	20.5	24.0	19.0	14.5	16.5	16.5	8.5	12.0	16.0	11.0	13.0

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.0	15.0	15.5	13.0	11.5	12.0	17.5	16.0	16.5	21.5	20.5	21.0
2	16.0	15.5	16.0	13.0	12.0	12.5	17.5	16.5	17.0	21.5	21.0	21.5
3	16.5	16.0	16.0	13.5	12.5	12.5	18.0	16.5	17.0	22.0	21.0	21.5
4	16.5	15.0	16.0	13.5	12.5	13.0	18.5	18.0	18.0	22.5	21.5	22.0
5	15.0	14.5	15.0	14.0	13.0	13.5	18.5	18.0	18.0	22.5	21.0	22.0
6	15.0	14.5	14.5	14.5	13.5	14.0	17.0	16.0	17.0	22.0	20.5	21.5
7	15.0	15.0	15.0	15.5	14.0	14.5	17.5	16.5	17.0	22.0	20.0	21.5
8	15.5	15.0	15.5	16.0	14.5	15.0	17.0	16.5	17.0	22.0	20.5	21.5
9	15.0	13.5	14.0	16.0	15.0	15.5	17.5	16.5	17.0	22.0	21.5	22.0
10	14.0	13.0	13.5	16.5	15.5	15.5	17.5	16.0	17.0	22.5	21.5	22.0
11	13.5	12.5	13.0	16.0	15.0	15.5	17.5	14.5	17.0	23.0	22.0	22.5
12	13.5	12.0	13.0	15.5	14.5	15.5	17.5	16.0	17.0	22.5	21.5	22.0
13	13.5	12.5	13.0	16.0	12.5	15.5	17.5	17.0	17.5	23.0	20.5	22.0
14	13.5	13.0	13.5	16.0	15.0	15.5	18.5	17.5	18.0	22.5	21.0	22.5
15	13.5	13.5	13.5	16.0	14.0	15.5	18.5	18.0	18.5	23.0	22.0	22.5
16	13.5	12.5	13.0	16.0	15.5	15.5	19.0	18.0	18.5	23.0	22.0	22.5
17	12.5	12.0	12.5	15.5	15.0	15.5	19.0	18.5	18.5	23.5	22.5	23.0
18	12.5	12.0	12.5	15.5	14.5	15.0	18.5	18.0	18.5	24.0	23.0	23.5
19	12.5	12.0	12.5	16.0	15.0	15.5	19.0	18.0	18.5	24.5	23.5	24.0
20	13.0	12.5	12.5	16.0	16.0	16.0	19.0	18.5	18.5	24.0	23.0	24.0
21	13.5	12.0	13.0	16.5	16.0	16.0	19.5	18.0	18.5	24.5	23.0	24.0
22	14.0	13.0	13.5	16.0	16.0	16.0	19.5	18.5	19.0	24.5	23.0	24.0
23	13.5	12.5	13.0	16.0	16.0	16.0	20.0	18.5	19.5	24.5	23.5	24.0
24	13.5	12.5	13.0	17.0	16.0	16.0	20.0	19.0	19.5	25.5	24.0	24.5
25	13.5	12.5	13.0	16.5	15.0	15.5	19.5	18.5	18.5	26.0	25.0	25.5
26	12.5	11.5	11.5	15.5	13.0	14.5	20.0	17.5	19.0	26.0	24.5	25.5
27	12.0	11.0	11.5	16.0	15.0	15.5	20.5	16.5	19.5	25.5	24.5	25.0
28	12.0	11.0	11.5	16.5	15.5	16.0	20.5	18.5	20.0	25.0	23.5	24.5
29	---	---	---	16.0	16.0	16.0	20.5	19.0	20.0	25.0	23.5	24.5
30	---	---	---	16.0	15.5	16.0	21.0	20.0	20.5	25.5	24.5	25.0
31	---	---	---	16.5	15.5	16.0	---	---	---	26.0	25.0	26.0
MONTH	16.5	11.0	13.5	17.0	11.5	15.0	21.0	14.5	18.0	26.0	20.0	23.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.5	26.0	26.0	27.5	26.5	27.0	28.5	27.5	28.0	29.0	28.5	29.0
2	26.5	25.5	26.0	27.5	27.0	27.5	28.0	27.5	27.5	---	---	---
3	25.5	24.5	25.0	27.5	26.5	27.0	28.5	27.5	28.0	---	---	---
4	25.5	23.5	25.0	27.5	26.5	27.0	28.5	28.0	28.5	---	---	---
5	25.5	24.0	25.0	27.0	26.5	27.0	28.0	27.5	28.0	---	---	---
6	25.5	24.5	25.0	27.0	26.5	27.0	27.5	27.0	27.5	---	---	---
7	25.5	24.0	25.0	27.0	26.5	27.0	27.5	26.5	27.0	---	---	---
8	26.0	24.5	25.5	27.5	26.5	27.0	27.5	26.5	27.0	---	---	---
9	26.5	25.5	26.0	27.5	26.5	27.0	27.5	26.5	27.0	---	---	---
10	27.0	26.0	26.5	28.0	27.0	27.5	28.0	27.0	27.5	---	---	---
11	27.0	26.0	26.5	28.5	27.5	28.0	27.5	27.0	27.5	---	---	---
12	27.0	26.5	26.5	28.5	28.0	28.5	27.5	26.5	27.0	---	---	---
13	27.0	26.5	27.0	28.5	28.0	28.0	27.0	27.0	27.0	---	---	---
14	27.0	26.5	27.0	28.5	27.5	28.0	27.5	27.0	27.0	---	---	---
15	26.5	26.0	26.5	28.5	27.5	28.0	27.5	27.0	27.0	---	---	---
16	26.5	25.5	26.5	28.5	27.5	28.0	27.5	27.0	27.5	---	---	---
17	27.0	26.0	26.5	28.5	28.0	28.0	28.5	27.0	27.5	---	---	---
18	27.0	26.5	26.5	28.0	27.0	28.0	28.5	27.5	28.0	---	---	---
19	27.0	25.5	27.0	29.0	27.5	28.0	29.0	27.0	28.0	---	---	---
20	27.5	26.0	27.0	29.5	27.5	28.5	28.5	27.5	28.0	---	---	---
21	27.5	26.5	27.0	29.0	27.5	28.5	28.0	27.0	27.5	---	---	---
22	28.0	26.5	27.5	28.0	26.5	27.5	27.5	27.0	27.5	---	---	---
23	28.0	27.0	28.0	28.0	27.0	27.5	27.5	27.0	27.5	---	---	---
24	28.0	26.0	27.5	28.0	27.5	27.5	28.0	27.0	27.5	---	---	---
25	27.5	26.0	27.0	28.0	27.5	27.5	28.0	27.5	27.5	---	---	---
26	27.0	26.0	26.0	28.0	27.0	27.5	28.5	28.0	28.0	---	---	---
27	26.5	25.0	26.0	28.0	27.0	27.5	28.5	28.0	28.0	---	---	---
28	26.0	25.5	25.5	27.5	27.0	27.5	28.5	28.0	28.5	---	---	---
29	26.5	25.5	26.0	28.5	27.5	28.0	29.0	28.0	28.5	---	---	---
30	27.0	26.0	26.5	28.5	28.0	28.5	29.0	28.5	28.5	---	---	---
31	---	---	---	28.5	28.0	28.5	29.0	28.5	29.0	---	---	---
MONTH	28.0	23.5	26.5	29.5	26.5	27.5	29.0	26.5	27.5	---	---	---
YEAR	29.5	8.5	20.0									

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, at gaging station, at New Savannah Bluff lock and dam, 0.2 mi (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 187.4 (301.5 km).

DRAINAGE AREA.--7,508 mi² (19,446 km²), including that of Butler Creek.

PERIOD OF RECORD.--Water temperature: October 1973 to current year.

EXTREMES, CURRENT YEAR.--Water temperature: Maximum, 26.0°C July 30; minimum, 10.0°C Dec. 22, 23, and 24

Period of record: Water temperature: Maximum, 26.0°C July 30, 1974; minimum 10.0°C Dec. 22, 23, and 24, 1973.

TEMPERATURE (°C) OF WATER, WATER YEAR OC.OBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.5	24.0	18.5	17.5	18.0	15.5	14.5	15.0	13.5	13.0	13.0
2	24.0	23.5	23.5	19.0	18.0	18.5	16.0	15.0	15.5	13.0	11.5	12.0
3	23.5	23.0	23.0	19.5	18.5	19.0	15.5	15.0	15.5	11.5	11.0	11.5
4	24.0	22.5	23.5	19.5	19.0	19.5	16.0	15.5	15.5	12.0	11.0	11.5
5	23.5	22.5	23.0	20.0	19.5	20.0	16.5	16.0	16.5	12.0	11.5	12.0
6	23.5	22.5	23.0	20.0	19.5	19.5	16.5	15.5	16.0	12.0	11.5	11.5
7	23.0	22.5	22.5	19.0	18.5	18.5	15.0	15.0	15.0	12.5	12.0	12.0
8	23.0	22.0	22.5	18.0	18.0	18.0	15.0	14.5	15.0	12.0	11.5	11.5
9	22.5	22.0	22.5	19.0	18.0	18.5	14.5	14.0	14.0	12.5	11.5	12.0
10	22.5	22.0	22.5	18.5	18.0	18.5	14.0	13.5	14.0	12.5	12.0	12.0
11	22.5	22.0	22.0	18.0	16.5	17.0	14.0	13.0	13.5	12.5	12.0	12.0
12	22.0	21.5	22.0	16.5	15.5	16.0	14.0	13.0	13.5	12.5	11.5	12.0
13	22.0	21.5	21.5	16.5	15.5	16.0	14.0	13.5	13.5	12.0	11.0	11.5
14	22.0	21.0	21.5	17.0	16.0	16.5	14.0	13.5	14.0	11.5	10.5	11.0
15	22.0	21.0	21.5	18.0	17.0	17.5	13.5	13.5	13.5	11.5	10.5	11.0
16	21.5	21.5	21.5	18.0	17.5	18.0	13.5	12.5	13.0	12.0	11.0	11.5
17	21.5	21.0	21.0	18.0	17.0	17.5	12.5	12.0	12.0	12.5	12.0	12.5
18	20.5	20.0	20.5	17.0	16.5	16.5	12.0	11.5	11.5	12.5	12.0	12.0
19	20.0	19.5	20.0	17.0	16.0	16.5	11.5	11.5	11.5	12.0	11.5	11.5
20	20.5	19.5	20.0	17.5	16.5	17.0	11.5	11.5	11.5	12.0	11.5	12.0
21	20.5	20.0	20.0	17.5	17.0	17.5	11.5	11.5	11.5	13.0	12.0	12.5
22	20.5	20.0	20.5	18.0	17.5	17.5	11.5	10.0	11.0	12.5	12.0	12.0
23	20.5	20.0	20.5	18.0	17.5	17.5	10.5	10.0	10.5	12.5	12.0	12.0
24	20.5	20.0	20.5	18.0	17.0	17.5	11.0	10.0	10.5	13.0	12.0	12.5
25	20.5	20.0	20.5	17.5	17.0	17.5	12.0	11.0	11.0	13.0	12.0	12.5
26	20.5	20.0	20.0	18.0	17.5	17.5	12.5	12.0	12.5	13.0	12.0	12.5
27	20.5	20.0	20.5	18.5	18.0	18.0	13.5	13.0	13.0	13.0	12.0	12.5
28	20.5	20.0	20.5	18.5	18.0	18.0	13.0	12.0	12.5	13.5	12.0	13.0
29	20.0	19.0	19.5	17.5	16.0	17.0	12.0	11.0	11.5	14.0	12.5	13.0
30	19.0	18.0	18.5	16.0	15.0	15.5	12.0	11.5	12.0	14.5	13.5	13.5
31	18.0	17.5	17.5	---	---	---	13.0	12.0	12.5	14.0	13.5	14.0
MONTH	24.0	17.5	21.5	20.0	15.0	17.5	16.5	10.0	13.0	14.5	10.5	12.0

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.5	12.5	13.0	---	---	---	---	---	---	20.5	19.0	20.0
2	13.5	12.5	13.0	---	---	---	---	---	---	20.0	19.0	19.5
3	14.0	12.5	13.0	---	---	---	---	---	---	20.0	18.5	19.5
4	13.5	12.0	13.0	---	---	---	---	---	---	21.0	19.0	20.0
5	13.0	12.0	12.5	---	---	---	---	---	---	20.0	19.5	20.0
6	12.5	12.5	12.5	---	---	---	---	---	---	19.5	18.5	19.0
7	12.5	12.0	12.5	---	---	---	---	---	---	19.0	18.0	18.5
8	13.0	12.5	12.5	---	---	---	---	---	---	19.5	17.5	18.5
9	12.5	11.5	12.0	---	---	---	---	---	---	19.5	18.0	19.0
10	12.0	12.0	12.0	---	---	---	---	---	---	19.5	18.5	19.0
11	12.5	12.0	12.0	---	---	---	---	---	---	20.0	19.0	19.5
12	12.5	12.0	12.0	---	---	---	---	---	---	20.0	19.0	19.5
13	---	---	---	---	---	---	---	---	---	20.0	19.0	19.5
14	---	---	---	---	---	---	---	---	---	21.0	19.5	20.0
15	---	---	---	---	---	---	---	---	---	20.5	19.5	20.0
16	---	---	---	---	---	---	---	---	---	20.5	19.5	20.0
17	---	---	---	---	---	---	---	---	---	21.0	19.5	20.5
18	---	---	---	---	---	---	---	---	---	21.5	20.0	21.0
19	---	---	---	---	---	---	17.5	16.5	17.0	21.5	20.0	21.0
20	---	---	---	---	---	---	18.0	17.0	17.5	22.0	20.5	21.0
21	---	---	---	---	---	---	18.5	17.5	18.0	22.0	20.5	21.5
22	---	---	---	---	---	---	19.0	17.5	18.0	20.0	19.5	20.0
23	---	---	---	---	---	---	19.0	18.0	18.5	20.5	19.5	19.5
24	---	---	---	---	---	---	19.0	18.0	18.5	19.5	18.0	18.5
25	---	---	---	---	---	---	18.5	17.5	18.0	19.5	18.5	19.0
26	---	---	---	---	---	---	19.0	17.0	18.0	20.0	18.5	19.5
27	---	---	---	---	---	---	19.5	17.5	18.5	19.0	18.5	19.0
28	---	---	---	---	---	---	19.5	17.5	18.5	19.0	18.0	18.5
29	---	---	---	---	---	---	20.0	18.5	19.0	19.5	18.5	18.5
30	---	---	---	---	---	---	21.0	19.5	20.0	19.5	18.5	19.0
31	---	---	---	---	---	---	---	---	---	21.0	19.5	20.0
MONTH	---	---	---	---	---	---	---	---	---	22.0	17.5	19.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.5	20.0	20.5	---	---	---	24.0	23.0	23.5	24.5	23.0	23.5
2	21.5	20.0	20.5	---	---	---	23.5	22.5	22.5	25.0	23.5	24.0
3	21.5	20.0	21.0	---	---	---	23.0	22.0	22.5	25.5	24.5	25.0
4	22.0	21.0	21.5	---	---	---	23.5	22.5	23.0	25.0	24.0	24.5
5	22.0	20.5	21.0	---	---	---	23.5	22.5	23.0	24.0	22.5	24.0
6	21.5	20.5	21.0	---	---	---	24.0	23.0	23.5	22.5	21.0	21.5
7	21.5	20.5	21.0	---	---	---	23.5	22.0	22.5	21.5	20.5	21.0
8	22.0	20.5	21.0	---	---	---	22.5	21.5	22.0	22.0	21.0	21.5
9	22.5	21.0	21.5	---	---	---	22.5	21.5	22.0	23.0	22.0	22.5
10	23.5	21.5	22.5	---	---	---	22.5	21.5	22.0	24.0	23.0	23.0
11	23.5	22.5	23.0	---	---	---	23.5	22.0	22.5	24.0	22.5	23.5
12	23.5	21.5	22.0	---	---	---	24.0	22.5	23.0	24.0	23.0	23.5
13	22.0	20.0	21.0	---	---	---	23.5	22.0	23.0	24.0	23.0	23.5
14	21.0	20.0	20.5	---	---	---	23.0	21.5	22.5	24.5	23.0	24.0
15	20.5	19.5	20.0	---	---	---	22.5	22.0	22.5	24.5	23.0	23.5
16	21.0	19.5	20.5	---	---	---	23.0	22.0	22.5	24.5	23.5	24.0
17	22.0	20.5	21.5	---	---	---	23.5	22.5	23.0	25.0	24.0	24.5
18	23.0	21.5	22.0	---	---	---	24.5	22.5	23.5	24.5	23.5	24.0
19	22.5	21.0	21.5	---	---	---	25.5	23.5	24.5	24.5	23.5	24.0
20	22.0	20.5	21.5	---	---	---	25.0	22.5	24.0	24.5	23.5	24.0
21	22.5	21.0	21.5	---	---	---	23.5	22.5	23.0	24.5	23.0	23.5
22	23.0	21.5	22.0	---	---	---	23.5	22.5	23.0	24.0	23.5	23.5
23	23.5	22.0	22.5	---	---	---	24.0	22.0	23.0	23.5	22.5	23.0
24	23.0	22.0	22.5	---	---	---	24.5	22.5	23.5	22.5	21.5	21.5
25	23.0	21.5	22.5	---	---	---	24.5	22.5	23.5	21.5	20.5	21.0
26	22.0	21.0	21.5	23.0	20.0	22.0	25.0	23.5	24.5	20.5	20.0	20.5
27	21.0	20.5	21.0	23.0	22.0	22.5	25.5	24.5	25.0	21.5	20.5	21.0
28	---	---	---	23.0	22.0	22.5	25.0	23.0	23.5	22.5	21.5	22.0
29	---	---	---	24.0	22.5	23.0	24.5	22.5	23.5	23.5	22.5	23.0
30	---	---	---	26.0	23.5	24.5	24.5	23.5	24.0	23.5	23.0	23.0
31	---	---	---	24.5	22.5	23.5	24.5	23.5	24.5	---	---	---
MONTH	23.5	19.5	21.5	---	---	---	25.5	21.5	23.0	25.5	20.0	23.0
YEAR	26.0	10.0	18.5									

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, at gaging station on downstream side of bridge on U.S. Highway 278, 0.4 mi (0.6 km) upstream from Johnson Fork Creek, and 4.6 mi (7.4 km) southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi^2 (225.3 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1966 to September 1974.
Sediment records.--October 1967 to September 1974 (periodic).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 29...	0945	181	15.5	8.0	18	5.8	3	--	7.6	--	.06
DEC. 12...	1215	157	11.0	10.2	13	6.1	4	0	5.1	.11	.00
FEB. 06...	1300	149	13.0	9.9	14	6.2	3	0	3.0	.18	.01
APR. 19...	1330	109	16.0	--	15	5.9	6	0	12	.15	.02
JUNE 19...	0845	129	18.5	8.4	14	6.0	4	--	6.4	.22	.01
JULY 26...	1050	135	20.5	8.0	14	6.0	4	0	6.4	.22	.01
AUG. 23...	1900	129	--	--	--	--	--	--	--	--	--
SEP. 26...	1015	132	17.5	8.7	14	6.1	7	0	8.9	.20	.01

DATE	ALKALINITY AS CACO3 (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	HARDNESS (CA+MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT. 29...	2	1.9	2.0	.0	7.4	3	1	.8	.3	.5
DEC. 12...	3	1.8	.8	1.3	7.5	5	1	1.2	.4	.3
FEB. 06...	2	2.3	.6	--	7.4	2	0	.8	.0	.3
APR. 19...	5	2.5	1.3	.0	5.4	3	0	.9	.3	.7
JUNE 19...	3	2.2	.5	.2	7.0	5	1	1.4	.3	.3
JULY 26...	3	2.2	1.1	.3	7.4	2	0	.1	.4	.2
AUG. 23...	--	--	--	--	--	--	--	--	--	--
SEP. 26...	6	.2	.5	.0	7.7	9	3	3.0	.4	.2

DATE	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT. 29...	.9	.2	34	--	16	7.82	.02	4000	630	--
DEC. 12...	1.3	.3	36	24	17	10.2	.03	200	87	72
FEB. 06...	1.5	.5	58	22	14	8.85	.03	210	420	47
APR. 19...	1.0	.2	33	20	15	5.89	.03	--	--	--
JUNE 19...	1.1	.2	32	24	15	8.36	.03	--	71	67
JULY 26...	3.4	1.1	77	24	17	8.75	.03	620	83	100
AUG. 23...	--	--	--	--	--	--	--	--	--	--
SEP. 26...	1.2	.2	22	18	17	6.42	.02	--	110	--

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

DATE	TIME	CYANIDE (CN) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)
APR.							
19...	1330	.00	--	--	.0	38	--
JULY							
26...	1050	.00	390	3	.2	1	0

DATE	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
APR.							
19...	0	0	--	8	4	0	--
JULY							
26...	1	<10	13	30	5	2	30

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)
OCT.											
29...	0945	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)
OCT.										
29...	.00	.0	.00	.0	.00	.0	.00	.0	.0	0

DATE	PCB (UG/L)	PCB IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	SILVEX (UG/L)	2,4,5-T (UG/L)	TOTAL ORGANIC CARHON (C) (MG/L)
OCT.										
29...	.0	0	.00	.00	.00	.00	.00	.00	.00	2.5

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

DATE	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
OCT. 29...	.77	.04	3.5	3.0	2.1	1.2	2.4	1.3	18	12

INSTANTANEOUS SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
OCT. 29...	0945	15.5	181	19	9.3
DEC. 12...	1215	11.0	157	6	2.5
FEB. 06...	1300	13.0	149	7	2.8
APR. 19...	1330	16.0	109	6	1.8
JUNE 19...	0845	18.5	129	7	2.4
JULY 26...	1050	20.5	135	15	5.5
AUG. 23...	1900	--	129	14	4.9
SEP. 26...	1015	17.5	132	5	1.8

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, at gaging station on left bank 1.4 mi (0.6 km) downstream from Upper Runs Creek, 15.2 mi (24.5 km) upstream from Steel Creek, 6.2 mi (10.0 km) south of Jackson and at mile 156.8 (252.3 km).

PERIOD OF RECORD.--Water temperature: October 1971 to current year.

EXTREMES, CURRENT YEAR.--Water temperature: Maximum, 26.0°C July 31, August 27, 28; minimum 9.0°C Dec. 23, 24.

Period of record: Water temperature: Maximum, 26.0°C August 14, 1973, July 31, August 27, 28, 1974; minimum 5.0°C Feb. 11, 1973.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	23.0	23.5	17.5	17.0	17.0	15.0	14.0	14.5	14.0	13.5	14.0
2	24.0	23.0	23.5	18.0	17.0	17.5	15.0	14.0	14.5	14.0	13.0	13.5
3	24.0	23.0	23.5	18.0	17.5	18.0	15.0	14.5	15.0	12.5	11.5	12.0
4	24.0	23.0	23.5	---	---	---	15.5	15.0	15.5	12.0	11.5	12.0
5	24.0	23.0	23.5	19.5	18.5	19.0	16.0	15.5	16.0	12.0	12.0	12.0
6	24.0	23.0	23.5	19.5	18.5	19.0	16.0	15.0	15.5	12.0	12.0	12.0
7	23.5	22.5	23.0	18.5	18.0	18.5	15.5	14.5	15.0	12.5	12.0	12.5
8	23.0	22.0	22.5	18.0	18.0	18.0	14.5	13.5	14.0	12.5	12.0	12.0
9	23.0	22.0	22.5	18.5	18.0	18.0	13.5	13.5	13.5	12.5	11.5	12.0
10	22.5	22.0	22.5	17.5	16.5	17.0	13.0	12.5	12.5	12.5	12.0	12.5
11	22.5	22.0	22.5	16.5	15.5	16.5	13.0	13.0	13.0	13.0	12.5	12.5
12	22.0	21.5	22.0	15.5	15.0	15.5	13.0	12.5	13.0	13.0	12.5	12.5
13	22.0	21.0	21.5	15.5	14.5	15.0	13.0	12.5	13.0	12.0	11.5	11.5
14	22.0	21.0	21.5	16.0	15.0	15.5	13.0	12.5	13.0	11.0	10.5	11.0
15	22.0	21.0	21.5	17.0	16.0	16.5	13.0	12.5	12.5	10.5	10.5	10.5
16	21.5	21.0	21.5	17.5	17.0	17.5	12.5	12.0	12.5	11.5	10.5	11.0
17	21.5	20.5	21.0	---	---	---	12.0	11.0	11.5	12.5	11.5	12.0
18	20.5	19.5	20.0	16.5	16.0	16.5	11.0	10.0	10.5	12.5	12.5	12.5
19	20.0	19.0	19.5	17.0	16.0	16.5	10.5	9.5	10.0	12.5	12.0	12.0
20	20.0	19.0	19.5	17.0	16.0	16.5	11.0	10.5	10.5	12.0	12.0	12.0
21	20.0	19.0	19.5	17.5	17.0	17.0	11.0	10.0	10.5	13.0	12.0	12.5
22	20.0	19.5	19.5	18.0	17.0	17.5	10.0	9.5	10.0	13.0	12.5	12.5
23	20.0	19.0	20.0	18.0	17.5	17.5	10.0	9.0	9.5	12.5	12.0	12.5
24	20.0	19.5	20.0	18.0	17.0	17.5	10.0	9.0	9.5	13.0	12.5	12.5
25	20.0	19.5	19.5	18.0	17.0	17.5	11.0	10.0	10.5	13.5	13.0	13.5
26	20.0	19.0	19.5	18.5	17.5	18.0	12.5	11.0	12.0	13.5	13.0	13.5
27	20.0	19.0	19.5	18.5	18.0	18.0	13.0	12.5	13.0	13.5	13.5	13.5
28	20.0	19.5	19.5	18.5	18.0	18.5	13.0	12.0	12.5	14.0	13.0	13.5
29	20.0	18.5	19.0	17.5	16.5	17.0	12.0	11.5	12.0	14.0	13.5	13.5
30	18.0	17.5	18.0	16.5	15.0	15.5	12.0	11.5	12.0	14.5	13.5	14.0
31	17.5	17.0	17.5	---	---	---	13.5	12.0	12.5	14.5	14.0	14.0
MONTH	24.0	17.0	21.0	19.5	14.5	17.0	16.0	9.0	12.5	14.5	10.5	12.5

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.0	13.5	14.0	---	---	---	17.0	15.5	16.5	21.5	20.0	21.0
2	14.0	13.0	13.5	---	---	---	17.5	17.0	17.0	21.0	20.0	20.5
3	14.5	13.5	14.0	---	---	---	18.0	17.0	17.5	21.0	20.0	20.5
4	14.5	13.5	14.0	---	---	---	17.5	17.0	17.5	21.0	20.0	20.5
5	13.5	12.5	12.5	---	---	---	18.0	16.5	17.5	21.0	20.0	20.5
6	12.5	12.0	12.5	---	---	---	16.5	15.5	16.0	20.5	19.0	19.5
7	12.5	12.5	12.5	---	---	---	16.0	16.0	16.0	20.0	18.5	19.5
8	13.0	12.5	13.0	---	---	---	16.0	15.0	15.5	19.5	18.5	19.0
9	13.0	11.5	12.0	---	---	---	15.0	14.5	14.5	20.5	18.5	19.5
10	11.5	11.0	11.0	---	---	---	14.5	14.0	14.5	20.5	19.0	20.0
11	11.0	10.5	11.0	---	---	---	15.0	14.0	14.5	20.5	19.5	20.0
12	11.0	10.5	11.0	---	---	---	15.5	15.0	15.0	21.0	20.0	20.5
13	11.5	11.0	11.5	---	---	---	16.5	15.5	16.0	21.0	19.5	20.0
14	12.0	11.5	12.0	14.0	14.0	14.0	17.0	16.5	16.5	21.0	19.5	20.5
15	13.0	12.5	12.5	14.0	13.5	13.5	17.5	17.0	17.0	21.5	20.0	21.0
16	13.0	12.0	13.0	14.0	13.5	13.5	17.5	17.0	17.0	21.5	20.5	21.0
17	12.0	11.5	11.5	13.5	13.0	13.5	17.5	16.5	17.0	22.0	20.5	21.0
18	11.5	11.0	11.0	14.0	12.5	13.0	17.0	16.5	16.5	22.5	20.5	21.5
19	11.5	11.0	11.5	14.0	13.0	13.5	17.0	16.0	16.5	22.5	21.5	22.0
20	12.0	11.5	11.5	15.5	14.0	14.5	17.5	17.0	17.0	22.5	21.5	22.0
21	12.5	11.5	12.0	16.5	15.5	16.0	18.0	17.0	18.0	22.5	21.5	22.0
22	---	---	---	15.5	15.0	15.5	19.0	17.5	18.5	22.0	20.5	21.5
23	---	---	---	15.0	14.5	14.5	19.5	18.0	19.0	21.5	20.5	21.0
24	---	---	---	15.5	14.0	14.5	19.5	18.0	18.5	21.0	20.0	20.5
25	---	---	---	15.0	13.0	14.0	18.5	18.0	18.0	20.5	19.0	19.5
26	---	---	---	13.5	12.5	13.0	18.5	17.5	18.0	20.5	20.0	20.0
27	---	---	---	13.5	12.5	13.0	19.0	18.0	18.5	20.5	19.5	20.0
28	---	---	---	14.5	13.0	14.0	19.5	18.0	19.0	20.0	19.5	19.5
29	---	---	---	16.0	14.5	15.5	20.0	18.5	19.5	20.5	19.0	19.5
30	---	---	---	16.0	15.5	16.0	21.0	19.0	20.0	20.5	19.5	20.0
31	---	---	---	16.0	15.0	15.5	---	---	---	21.5	20.5	21.0
MONTH	---	---	---	---	---	---	21.0	14.0	17.0	22.5	18.5	20.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.5	21.5	22.0	23.5	21.5	22.5	24.0	23.5	23.5	25.0	24.0	24.5
2	22.0	21.5	22.0	23.5	22.5	23.0	24.0	23.0	23.5	25.0	23.5	24.0
3	22.5	21.5	22.0	23.5	22.5	23.0	23.5	22.5	23.0	25.0	24.0	24.5
4	23.0	21.5	22.0	22.5	22.0	22.0	23.5	22.5	23.0	25.0	24.0	25.0
5	23.5	22.0	22.5	22.5	21.5	22.0	23.5	22.5	23.0	24.5	22.5	23.5
6	23.0	22.0	22.5	23.0	21.5	22.5	23.0	22.0	22.5	22.5	21.5	22.0
7	23.0	21.5	22.5	23.5	22.5	23.0	23.0	22.0	23.0	21.5	21.0	21.0
8	22.5	22.0	22.0	24.0	22.5	23.0	22.5	21.5	22.0	21.5	20.5	21.0
9	23.5	22.0	22.5	24.5	23.0	24.0	22.5	21.5	22.0	22.5	21.0	22.0
10	24.0	22.5	23.0	26.0	23.5	24.5	22.0	22.0	22.0	23.5	22.0	23.0
11	24.5	23.0	24.0	25.0	24.0	24.5	22.5	21.5	22.0	24.0	22.5	23.5
12	24.5	23.0	24.0	24.0	23.0	23.5	23.5	22.0	23.0	24.0	23.5	23.5
13	24.0	22.0	23.0	23.0	22.5	22.5	24.0	23.0	23.5	24.0	23.5	24.0
14	22.0	21.5	22.0	23.0	22.5	23.0	23.0	22.0	22.5	24.0	23.5	24.0
15	21.5	21.0	21.0	24.0	22.5	23.0	23.0	22.0	22.5	24.0	23.5	24.0
16	21.5	21.0	21.0	24.5	23.0	24.0	23.0	22.0	22.5	24.5	23.5	24.0
17	22.5	21.0	21.5	25.0	23.5	24.5	23.0	22.5	23.0	25.0	24.0	24.5
18	23.0	21.5	22.5	24.5	23.0	23.5	24.0	23.0	23.5	25.0	23.5	24.5
19	24.0	22.0	23.0	24.5	23.0	24.0	25.0	23.5	24.0	24.5	23.0	23.5
20	23.5	22.0	23.0	24.5	23.0	23.5	25.5	24.0	25.0	24.5	23.5	24.0
21	23.5	22.0	23.0	24.0	23.0	23.5	24.5	23.0	24.0	25.0	23.5	24.0
22	24.0	22.5	23.0	24.0	22.5	23.5	23.5	23.0	23.0	24.0	23.0	23.5
23	24.0	23.0	23.5	24.0	23.0	23.5	23.5	23.0	23.0	23.0	22.0	22.5
24	24.0	22.5	23.5	24.0	23.0	23.5	24.0	23.0	23.5	22.5	21.0	22.0
25	24.0	22.5	23.0	23.5	22.5	23.0	25.0	23.0	24.0	21.5	20.5	20.5
26	23.5	22.5	23.0	23.0	22.0	22.5	25.0	23.0	24.0	20.5	19.5	20.0
27	22.5	21.5	22.0	23.5	22.5	23.0	26.0	24.0	25.0	20.5	19.5	20.0
28	22.0	21.0	21.5	24.0	22.5	23.0	26.0	24.0	25.0	22.0	20.5	21.5
29	22.5	21.0	22.0	24.0	22.5	23.5	24.0	23.5	24.0	23.0	22.0	22.5
30	23.0	21.5	22.0	25.0	23.5	24.0	25.0	23.5	24.0	23.0	22.0	22.5
31	---	---	---	26.0	23.5	24.5	24.5	24.0	24.5	---	---	---
MONTH	24.5	21.0	22.5	26.0	21.5	23.5	26.0	21.5	23.5	25.0	19.5	23.0
YEAR	26.0	9.0	18.5									

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETVILLE, S.C.

LOCATION.--Lat 33°04'58", long 81°35'54", Allendale County, on left bank 2.8 mi (4.5 km) downstream from Steel Creek, 12.6 mi (20.3 km) upstream from Lower Three Runs Creek, 3.7 mi (6.0 km) west of Milletville and at mile 138.8 (223.3 km).

PERIOD OF RECORD.--Water temperature: October 1971 to current year.

EXTREMES, CURRENT YEAR.--Water temperature: Maximum 27.0°C July 31, August 1; minimum, 9.5°C Dec 23, 24, Feb. 27, 28.

Period of record: Water temperature: Maximum 27.0°C August 15, 1973 July 31, Aug. 1, 1974; minimum 5.5°C Feb. 11, 12, 1973.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.5	23.5	24.0	17.5	17.0	17.0	15.5	14.5	15.0	15.0	14.0	14.5
2	24.5	23.5	24.0	18.0	17.0	17.0	15.0	14.5	14.5	14.5	14.0	14.5
3	25.0	24.0	24.5	18.0	17.0	17.5	15.5	14.5	15.0	13.5	12.0	12.5
4	25.0	23.5	24.5	19.0	18.0	18.5	16.0	15.5	15.5	12.0	12.0	12.0
5	24.5	23.5	24.0	19.5	19.0	19.0	16.5	16.0	16.5	12.0	12.0	12.0
6	24.0	23.5	24.0	19.5	18.5	19.0	16.0	15.5	15.5	12.5	12.0	12.0
7	23.5	23.0	23.0	18.5	18.0	18.5	15.5	15.0	15.0	12.5	12.5	12.5
8	23.5	22.5	23.0	18.5	18.0	18.5	15.0	13.5	14.0	12.5	12.5	12.5
9	23.0	22.5	22.5	18.5	18.0	18.5	14.0	13.5	13.5	12.5	12.0	12.5
10	23.0	22.0	22.5	18.0	16.5	17.5	13.5	12.5	13.0	13.0	12.5	12.5
11	22.5	22.0	22.0	16.5	16.0	16.5	13.0	12.0	12.5	13.0	13.0	13.0
12	22.0	21.5	22.0	16.0	15.0	15.5	13.0	12.5	13.0	13.5	13.0	13.0
13	22.0	21.0	21.5	15.5	14.5	15.0	13.5	12.5	13.0	13.0	11.5	12.0
14	21.5	21.0	21.5	16.0	15.0	15.5	13.5	12.5	13.0	11.5	10.5	11.0
15	21.5	21.0	21.0	17.0	15.5	16.5	13.0	12.5	12.5	11.0	10.5	10.5
16	21.5	21.0	21.0	18.0	17.0	17.5	13.0	12.5	12.5	11.5	10.5	11.0
17	21.0	20.0	20.5	17.5	16.5	17.0	12.5	11.0	12.0	12.5	11.5	12.0
18	20.0	19.5	20.0	17.0	16.5	16.5	11.0	10.0	10.5	13.0	12.5	12.5
19	19.5	19.0	19.5	17.5	17.0	17.0	10.0	10.0	10.0	13.0	12.5	12.5
20	19.5	18.5	19.0	17.0	16.5	17.0	11.0	10.0	10.5	12.5	12.0	12.0
21	19.5	19.0	19.0	18.0	17.0	17.5	11.0	10.0	10.5	13.0	12.5	12.5
22	19.5	19.0	19.0	18.0	17.5	17.5	10.0	9.5	10.0	13.0	13.0	13.0
23	20.0	19.0	19.5	18.5	18.0	18.0	10.0	9.5	10.0	13.0	12.5	13.0
24	20.0	19.0	19.5	18.0	17.5	18.0	10.0	9.5	10.0	13.5	13.0	13.0
25	20.0	19.0	19.5	18.5	17.5	18.0	11.5	10.0	11.0	14.0	13.0	13.5
26	20.0	19.0	19.5	19.0	18.0	18.5	13.0	11.5	12.0	14.0	13.5	14.0
27	20.0	19.0	19.5	19.0	18.5	18.5	13.5	13.0	13.5	14.0	13.5	14.0
28	20.0	19.5	19.5	19.0	18.5	19.0	13.5	13.0	13.0	14.0	13.5	14.0
29	19.5	18.0	19.0	18.0	16.5	17.5	13.0	12.0	12.5	14.5	14.0	14.0
30	18.0	17.5	17.5	16.5	15.5	16.0	13.0	12.5	13.0	14.5	14.0	14.0
31	17.5	17.0	17.5	---	---	---	14.0	13.0	13.5	14.5	14.0	14.5
MONTH	25.0	17.0	21.0	19.5	14.5	17.5	16.5	9.5	13.0	15.0	10.5	13.0

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.5	14.0	14.5	11.5	10.5	11.0	17.5	16.0	17.0	22.5	21.0	21.5
2	14.0	14.0	14.0	12.5	11.5	12.0	18.0	17.5	17.5	22.0	21.5	21.5
3	15.0	14.0	14.5	13.5	12.5	13.0	19.0	17.5	18.0	22.0	21.0	21.5
4	14.5	14.0	14.5	14.0	13.0	13.5	19.0	18.0	18.5	22.5	21.0	22.0
5	14.0	12.5	13.0	15.0	14.0	14.5	18.0	17.5	18.0	21.5	21.0	21.5
6	12.5	12.5	12.5	16.0	15.0	15.5	17.0	16.0	16.5	21.0	20.0	20.5
7	13.0	12.5	12.5	16.5	15.5	16.0	16.5	15.5	16.0	21.0	20.0	20.5
8	13.0	12.5	13.0	16.5	15.5	16.0	16.0	15.5	16.0	20.5	20.0	20.0
9	13.0	12.0	12.5	17.0	15.5	16.5	15.5	14.5	15.0	20.5	20.0	20.0
10	11.5	11.0	11.0	17.5	16.0	17.0	14.5	14.0	14.5	21.5	20.5	21.0
11	11.0	10.5	11.0	17.0	16.5	17.0	15.0	14.5	14.5	22.0	21.0	21.5
12	11.0	10.5	11.0	16.5	16.0	16.5	15.5	15.0	15.0	22.0	21.0	21.5
13	11.5	11.0	11.0	16.5	15.5	16.5	16.5	15.5	16.0	21.5	20.5	21.0
14	12.0	11.5	12.0	15.5	14.5	15.0	17.0	16.5	16.5	22.0	21.0	21.5
15	13.0	12.5	12.5	15.0	14.0	14.5	17.5	17.0	17.0	22.5	21.5	22.0
16	13.0	12.5	13.0	15.0	14.0	14.5	17.5	17.0	17.5	22.5	21.5	22.0
17	12.5	11.5	12.0	14.0	13.5	14.0	17.5	17.0	17.0	23.0	21.5	22.0
18	11.5	11.0	11.5	14.5	13.5	14.0	17.5	17.0	17.0	23.5	22.0	22.5
19	11.5	11.5	11.5	15.0	14.0	14.5	17.5	16.5	17.0	23.5	23.0	23.0
20	12.0	11.5	11.5	16.0	15.0	15.5	18.0	17.0	17.5	23.5	22.5	23.0
21	12.5	11.5	12.0	17.0	16.0	16.5	19.0	17.5	18.5	23.0	23.0	23.0
22	13.5	12.5	13.0	16.5	16.0	16.0	19.5	18.5	19.0	23.0	22.5	23.0
23	13.0	12.5	13.0	16.0	15.5	15.5	20.5	19.5	19.5	22.5	21.5	22.0
24	12.5	12.0	12.5	16.0	15.0	15.5	20.0	19.5	19.5	22.0	21.5	21.5
25	12.5	11.0	12.0	16.0	14.0	15.0	19.5	18.5	19.0	21.0	20.0	20.5
26	11.0	10.0	10.5	14.0	13.5	13.5	19.0	18.0	18.5	21.0	20.0	20.5
27	10.0	9.5	10.0	14.5	13.5	14.0	19.5	18.0	19.0	21.0	20.5	20.5
28	10.5	9.5	10.0	15.0	14.0	14.5	20.0	18.5	19.5	20.5	20.0	20.0
29	---	---	---	16.5	15.0	16.0	20.5	19.5	20.0	20.0	20.0	20.0
30	---	---	---	17.0	16.0	16.5	21.5	20.0	21.0	21.0	20.0	20.5
31	---	---	---	16.5	15.5	16.5	---	---	---	22.5	20.5	21.5
MONTH	15.0	9.5	12.0	17.5	10.5	15.0	21.5	14.0	17.5	23.5	20.0	21.5

	JUNE			JULY			AUGUST			SEPTEMRER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	22.0	22.5	23.5	22.5	23.0	27.0	25.0	26.0	26.0	25.0	25.5
2	23.0	22.5	22.5	25.0	23.0	24.0	25.0	24.5	25.0	25.5	25.0	25.5
3	22.5	22.0	22.5	24.0	23.5	23.5	25.0	24.5	25.0	26.0	25.0	25.5
4	23.5	22.5	23.0	23.5	22.5	23.0	24.5	23.5	24.0	26.0	25.0	25.5
5	24.0	22.5	23.0	23.0	22.5	22.5	24.0	23.5	24.0	25.0	23.5	24.5
6	24.0	23.0	23.5	23.5	22.5	23.0	24.0	23.5	23.5	23.5	22.5	23.0
7	24.0	23.0	23.5	24.0	23.0	23.5	24.5	23.5	24.0	22.5	22.0	22.0
8	23.5	23.0	23.5	24.5	23.5	24.0	24.0	23.0	23.5	22.0	21.5	21.5
9	24.0	23.0	23.5	25.5	24.0	24.5	23.5	23.0	23.0	23.0	22.0	22.5
10	25.0	23.5	24.0	26.5	25.0	25.5	23.5	22.5	23.0	24.0	22.5	23.5
11	25.5	24.0	25.0	26.5	25.5	26.0	23.0	23.0	23.0	24.5	23.5	24.0
12	26.0	24.5	25.0	26.0	24.5	25.5	24.0	23.0	23.5	25.0	24.0	24.5
13	25.0	23.5	24.5	24.5	23.5	23.5	24.5	24.0	24.0	25.0	24.0	24.5
14	23.5	22.5	23.0	24.0	22.5	23.5	24.5	23.5	24.0	25.5	24.5	25.0
15	22.5	21.5	22.0	24.5	23.0	24.0	24.0	22.5	23.5	25.0	24.0	24.5
16	22.5	21.0	21.5	26.0	24.0	25.0	24.0	23.0	23.5	25.0	24.5	24.5
17	23.0	21.5	22.0	26.0	25.0	25.5	24.5	23.0	23.5	25.5	24.5	25.0
18	23.5	22.5	23.0	25.5	25.0	25.0	25.5	23.5	24.5	25.5	25.0	25.0
19	25.0	23.0	24.0	25.5	24.5	25.0	26.0	24.5	25.5	25.0	24.5	25.0
20	25.0	24.0	24.5	25.0	24.0	24.5	27.0	26.0	26.0	25.5	24.5	25.0
21	24.5	23.5	24.0	25.0	24.0	24.5	26.5	25.0	26.0	25.5	25.0	25.0
22	25.0	23.5	24.5	24.5	23.5	24.0	25.0	23.5	24.5	25.0	23.5	24.5
23	25.0	24.0	24.5	25.0	23.5	24.0	25.0	23.5	24.5	23.5	23.0	23.5
24	24.5	23.5	24.0	25.0	24.0	24.5	25.0	23.5	24.5	23.0	22.0	22.5
25	24.5	23.5	24.0	24.5	23.5	24.0	25.5	24.0	24.5	22.0	21.0	21.5
26	24.0	23.0	23.5	23.5	23.0	23.5	25.5	25.0	25.5	21.0	20.5	21.0
27	23.0	22.5	22.5	23.5	23.0	23.0	26.5	25.5	26.0	21.0	20.5	21.0
28	22.5	22.0	22.0	24.5	23.5	24.0	26.5	26.0	26.0	22.5	21.0	21.5
29	23.0	22.0	22.5	25.5	24.0	24.5	26.0	24.5	25.0	23.5	22.5	23.0
30	23.0	22.0	22.5	26.0	24.5	25.5	25.0	24.0	24.5	23.5	22.5	23.0
31	---	---	---	27.0	25.5	26.0	25.5	25.0	25.5	---	---	---
MONTH	26.0	21.0	23.5	27.0	22.5	24.5	27.0	22.5	24.5	26.0	20.5	23.5
YEAR	27.0	9.5	19.0									

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.

LOCATION.--Lat 32°56'20", long 81°30'10", Allendale County, at bridge on U.S. Highway 301, 2 mi (3.2 km) downstream from Rocky Creek, 9 mi (14.5 km) east of Millhaven, Ga. and at mile 118.70 (190.1 km).

DRAINAGE AREA.--8,650 mi² (22,395 km²) approximately.

PERIOD OF RECORD.--Water temperature: October 1973 to current year.

EXTREMES, CURRENT YEAR.--Water temperature: Maximum 27.0°C July 11, Aug. 1; minimum 9.0°C Dec. 23.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.0	24.0	24.5	18.0	17.5	18.0	16.0	15.0	15.5	15.0	14.0	14.5
2	24.5	24.0	24.5	18.0	16.0	17.5	15.5	15.0	15.0	15.0	14.5	15.0
3	25.0	24.0	24.5	18.0	17.0	17.5	15.5	15.0	15.0	14.5	13.0	13.5
4	25.0	24.0	24.5	19.0	17.5	18.0	16.0	15.5	16.0	13.0	12.5	12.5
5	24.5	24.0	24.0	19.0	18.0	18.5	16.5	16.0	16.5	12.5	12.5	12.5
6	24.5	23.5	24.0	19.0	18.5	18.5	16.5	16.0	16.0	12.5	12.5	12.5
7	24.0	23.0	23.5	19.0	17.5	18.0	15.5	15.0	15.5	13.0	12.5	12.5
8	23.0	22.5	23.0	18.5	17.5	18.0	---	---	---	13.0	12.5	13.0
9	23.5	22.5	23.0	19.5	18.0	18.5	---	---	---	13.0	12.5	13.0
10	23.0	22.5	23.0	18.0	17.0	18.0	---	---	---	13.0	12.5	13.0
11	23.0	22.5	22.5	17.5	15.5	16.5	---	---	---	13.5	13.0	13.5
12	22.5	22.0	22.5	15.5	14.5	15.0	12.5	12.5	12.5	13.5	13.5	13.5
13	22.5	21.5	22.0	15.0	13.0	14.5	13.0	12.5	12.5	13.0	12.0	12.5
14	22.0	21.5	22.0	16.0	13.5	14.5	13.0	13.0	13.0	12.0	11.0	11.5
15	22.0	21.5	22.0	16.0	15.0	15.5	13.0	12.5	13.0	11.0	10.5	11.0
16	22.0	21.5	21.5	17.0	14.5	16.0	13.0	12.0	12.5	11.5	11.0	11.0
17	22.0	21.0	21.5	16.5	16.0	16.5	12.0	11.5	12.0	12.5	11.5	12.0
18	21.0	20.0	20.5	16.5	15.0	16.0	11.5	10.5	11.0	13.0	12.5	13.0
19	20.0	19.5	20.0	17.0	16.0	16.5	10.5	9.5	10.0	13.0	13.0	13.0
20	20.0	19.0	19.5	16.5	16.0	16.0	10.5	10.0	10.0	13.0	12.5	13.0
21	19.5	19.0	19.5	15.5	15.0	15.5	10.5	10.0	10.5	13.5	13.0	13.0
22	20.0	19.0	19.5	17.0	16.5	17.0	10.0	9.5	9.5	13.5	13.0	13.5
23	20.5	19.5	20.0	17.0	16.0	16.5	9.5	9.0	9.5	13.5	13.0	13.5
24	20.5	19.5	20.0	16.5	16.0	16.5	10.0	9.5	9.5	13.5	13.0	13.5
25	20.5	19.5	20.0	17.0	16.0	16.5	11.0	10.0	10.5	14.0	13.5	14.0
26	---	---	---	17.0	16.5	17.0	12.5	11.0	12.0	14.5	14.0	14.5
27	---	---	---	20.0	16.5	17.5	13.5	12.5	13.0	15.0	14.5	14.5
28	20.5	20.0	20.0	18.5	17.0	18.0	13.5	13.0	13.0	15.0	14.5	14.5
29	20.0	19.0	19.5	19.5	17.0	17.5	13.0	12.5	12.5	15.0	14.5	15.0
30	19.0	18.0	18.5	17.0	16.0	16.5	13.0	12.5	13.0	15.0	14.5	15.0
31	18.0	17.5	18.0	---	---	---	14.0	13.0	13.5	15.0	14.5	14.5
MONTH	25.0	17.5	21.5	20.0	13.0	17.0	16.5	9.0	12.5	15.0	10.5	13.0

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.--Continued

TEMPERATURE (°C) OF WATER. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.0	14.5	14.5	11.5	10.5	11.0	17.5	16.5	17.0	22.0	21.0	21.5
2	15.0	14.5	14.5	12.5	11.5	12.0	18.0	17.5	18.0	22.5	22.0	22.0
3	15.0	14.5	15.0	13.5	12.5	13.0	19.0	18.0	18.5	22.5	21.5	22.0
4	15.0	14.5	15.0	14.5	13.5	14.0	19.5	19.0	19.5	23.0	21.5	22.0
5	14.0	13.0	13.5	15.5	14.5	15.0	19.0	18.0	18.5	22.0	21.5	22.0
6	13.0	12.5	12.5	16.0	15.5	15.5	---	---	---	21.5	20.5	21.0
7	13.0	13.0	13.0	16.5	16.0	16.5	---	---	---	21.5	20.0	20.5
8	13.5	13.0	13.5	17.0	16.5	16.5	---	---	---	21.0	20.5	21.0
9	13.0	12.0	12.5	17.0	16.5	16.5	---	---	---	21.0	20.0	20.5
10	12.0	11.0	11.5	17.5	16.5	17.0	---	---	---	22.0	20.5	21.0
11	11.0	10.5	11.0	17.5	17.0	17.5	---	---	---	22.5	21.0	22.0
12	11.0	10.5	11.0	17.0	17.0	17.0	---	---	---	22.0	21.5	22.0
13	11.5	11.0	11.0	17.0	16.0	16.5	---	---	---	22.0	21.0	21.5
14	12.5	11.5	12.0	16.5	15.0	16.0	---	---	---	22.0	21.0	21.5
15	13.5	12.5	13.0	15.0	14.5	15.0	---	---	---	22.5	21.5	22.0
16	13.5	13.0	13.0	15.0	14.5	15.0	---	---	---	23.0	22.0	22.5
17	13.0	12.5	12.5	14.5	14.0	14.5	---	---	---	23.0	22.0	22.5
18	12.5	12.0	12.0	14.5	13.5	14.0	---	---	---	24.0	22.5	23.0
19	12.0	11.5	12.0	15.5	14.0	14.5	---	---	---	24.0	23.0	23.5
20	12.5	11.5	12.0	16.0	15.0	15.5	---	---	---	24.0	23.0	23.5
21	13.0	12.0	12.5	17.0	16.0	16.5	---	---	---	23.5	23.0	23.5
22	14.0	13.0	13.5	17.0	16.5	16.5	---	---	---	23.5	22.5	23.0
23	13.5	13.0	13.0	16.5	16.0	16.0	---	---	---	23.0	22.5	23.0
24	13.0	12.5	13.0	16.5	15.5	16.0	---	---	---	23.0	22.0	22.5
25	13.0	11.5	12.0	16.0	14.5	15.5	---	---	---	22.5	21.0	22.0
26	11.5	10.5	11.0	14.5	13.5	14.0	19.0	18.5	19.0	21.5	20.0	20.5
27	10.5	10.0	10.0	14.5	13.5	14.0	19.5	18.0	19.0	21.0	20.5	21.0
28	10.5	9.5	10.0	15.0	14.5	15.0	20.0	19.0	19.5	21.0	20.5	21.0
29	---	---	---	16.5	15.0	16.0	21.0	19.5	20.0	21.0	20.0	20.5
30	---	---	---	17.5	16.5	17.0	21.5	20.0	20.5	21.5	20.0	21.0
31	---	---	---	17.0	16.5	16.5	---	---	---	22.0	20.5	21.5
MONTH	15.0	9.5	12.5	17.5	10.5	15.5	---	---	---	24.0	20.0	22.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.0	22.0	22.5	24.5	23.0	23.5	27.0	25.5	26.5	26.0	25.0	25.5
2	23.5	22.5	23.0	25.0	23.5	24.5	25.5	25.0	25.0	26.5	25.0	26.0
3	23.0	22.5	23.0	24.5	24.0	24.0	26.0	24.5	25.0	26.0	25.0	25.5
4	23.5	22.0	23.0	24.0	23.5	23.5	25.0	24.0	24.5	26.0	25.0	25.5
5	23.5	22.5	23.0	23.5	23.0	23.0	24.5	24.0	24.0	25.5	24.0	25.0
6	24.0	23.0	23.5	23.5	23.0	23.0	24.5	24.0	24.0	24.0	23.0	23.5
7	24.0	23.5	23.5	24.0	23.0	23.5	24.5	23.5	24.0	23.0	22.5	22.5
8	24.5	23.5	24.0	25.0	23.5	24.0	24.5	24.0	24.5	22.5	22.0	22.0
9	24.5	23.0	24.0	25.5	24.0	24.5	24.0	23.5	24.0	22.5	21.5	22.0
10	24.5	23.5	24.0	26.0	24.5	25.5	24.0	23.5	23.5	23.5	22.5	23.0
11	25.5	24.0	24.5	27.0	25.5	26.0	23.5	23.5	23.5	24.5	23.0	24.0
12	26.0	24.5	25.0	26.0	25.0	25.5	24.0	23.0	23.5	25.0	24.0	24.5
13	25.5	24.5	25.0	25.0	24.0	24.5	25.0	24.0	24.5	25.0	24.5	24.5
14	25.0	23.5	24.0	24.0	23.5	24.0	25.0	24.0	24.5	25.0	24.5	25.0
15	23.5	22.5	23.0	24.5	23.5	24.0	24.0	23.5	24.0	25.0	24.5	24.5
16	22.5	22.0	22.5	25.0	24.0	24.5	24.0	23.5	24.0	25.0	24.5	24.5
17	23.0	22.5	22.5	25.5	24.5	25.0	24.5	23.5	24.0	25.5	24.0	25.0
18	24.0	22.5	23.0	26.0	24.5	25.0	25.0	24.0	24.5	25.5	25.0	25.0
19	24.5	23.0	24.0	26.0	24.5	25.0	26.0	25.0	25.5	25.5	24.5	25.0
20	25.5	24.0	24.5	25.5	24.5	25.0	26.5	25.0	25.5	25.0	24.0	24.5
21	25.0	24.0	24.5	25.5	24.5	25.0	26.5	25.5	26.0	25.5	24.5	25.0
22	25.5	24.0	24.5	24.5	24.0	24.5	25.5	24.5	25.0	25.0	24.0	24.5
23	25.0	24.5	25.0	25.0	24.0	24.5	25.0	24.0	24.5	23.5	23.0	23.5
24	25.0	24.0	24.5	24.5	24.0	24.0	25.0	24.5	24.5	23.0	22.0	22.5
25	25.0	23.5	24.0	24.5	24.0	24.5	25.5	24.5	25.0	22.0	21.0	21.5
26	24.5	23.5	24.0	24.5	23.5	24.0	26.5	25.0	25.5	21.0	20.5	21.0
27	24.0	23.0	23.5	24.5	23.5	24.0	26.5	25.0	26.0	21.0	20.5	20.5
28	23.5	22.5	23.0	25.0	24.0	24.5	27.0	26.0	26.5	22.0	21.0	21.5
29	23.5	22.5	23.0	25.5	24.0	25.0	26.5	25.5	26.0	23.0	22.0	22.5
30	24.0	22.5	23.0	26.0	24.5	25.5	25.5	25.0	25.5	23.0	22.5	23.0
31	---	---	---	26.5	25.5	26.0	26.0	25.0	25.5	---	---	---
MONTH	26.0	22.0	23.5	27.0	23.0	24.5	27.0	23.0	25.0	26.5	20.5	24.0
YEAR	27.0	9.0	19.5									

02198500 SAVANNAH RIVER NEAR CLYO, GA

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C.), Ga.-S.C. State line at gaging station, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi (4.8 km) north of Clyo, and at mile 65.0 (104.6 km).

DRAINAGE AREA.--9,850 mi^2 (25,510 km^2), Approximately.

PERIOD OF RECORD.--Chemical analyses: October 1965 to September 1969, July 1972 to August 1973, January to September 1974.
Water temperatures: January to September 1974.
Sediment records: January to September 1974 (periodic).

EXTREMES, current year.--Water temperatures: Maximum daily at 0800 EST 25.0°C, July 11.

CHEMICAL ANALYSES, JANUARY TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TOTAL NITROGEN (N) (MG/L)
JAN.							
17...	0930	19700	12.0	9.5	56	7.2	1.1
FEB.							
13...	0945	25300	10.0	9.8	57	7.7	--
14...	0950	26200	11.0	9.8	53	6.8	.43
MAR.							
21...	0900	9980	16.5	8.4	73	7.1	.84
APR.							
26...	0830	13800	19.0	8.2	72	7.0	.57
MAY							
08...	0830	8710	21.0	6.9	76	7.1	--
22...	0915	9260	23.5	7.1	69	7.0	.82
JUNE							
27...	0930	7700	24.5	8.0	69	7.0	--
AUG.							
01...	0930	8060	26.0	7.4	71	7.0	.66
14...	1300	10400	25.0	7.9	73	6.9	--
30...	0845	9020	27.0	7.4	70	7.0	.65
SEP.							
18...	1030	9510	24.5	8.9	69	7.1	--
26...	0745	7680	21.5	7.4	71	6.9	.65

DATE	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL PHYTOPLANKTON (CELLS PER ML)
JAN.							
17...	.23	5.0	.91	.07	350	37*	--
FEB.							
13...	--	--	--	.05	--	--	--
14...	.27	1.9	.16	.08	130	82	--
MAR.							
21...	.58	3.7	.26	.10	170	20*	--
APR.							
26...	.32	2.5	.25	.09	58	15*	--
MAY							
08...	--	--	--	.10	--	--	--
22...	.49	3.6	.33	.09	110	12*	--
JUNE							
27...	--	--	.16	.06	35	18*	--
AUG.							
01...	.38	2.9	.28	.07	40	**	--
14...	--	--	--	.07	--	--	--
30...	.35	2.9	.30	.09	80	8*	2000
SEP.							
18...	--	--	--	.08	--	--	--
26...	.22	2.9	.43	.09	270	--	230

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

CHEMICAL ANALYSES, JANUARY TO SEPTEMBER 1974--Continued

DATE	TIME	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
JAN.										
17...	0930	19	0	--	--	--	--	--	--	--
FEB.										
13...	0945	--	--	14	--	--	--	--	--	--
14...	0950	18	0	--	--	--	--	.1	--	--
MAR.										
21...	0900	24	0	16	0	4.5	1.2	.1	7.5	1.2
MAY										
08...	0830	--	--	16	--	--	--	--	--	--
JUNE										
27...	0930	24	0	20	0	5.9	1.3	.1	8.3	1.4
AUG.										
14...	1300	--	--	16	--	--	--	--	--	--
SEP.										
18...	1030	--	--	16	--	--	--	--	--	--
26...	0745	24	0	23	3	7.3	1.1	.1	7.3	1.4

DATE	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	TUR- BID- ITY (JTU)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JAN.										
17...	--	--	10	10	4.0	4.6	--	--	--	--
FEB.										
13...	--	--	--	18	--	--	--	--	--	--
14...	56	--	8.3	20	4.2	4.3	--	--	--	--
MAR.										
21...	52	46	8.6	20	6.2	4.5	6	6	4	4
MAY										
08...	--	--	--	18	--	--	--	--	--	--
JUNE										
27...	80	50	9.5	20	6.1	5.8	0	0	1	0
AUG.										
14...	--	--	--	--	--	--	--	--	--	--
SEP.										
18...	--	--	--	13	--	--	--	--	--	--
26...	58	50	10	10	4.7	5.8	1	1	1	1

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAR.										
21...	0	0	8	8	5	7	210	1300	0	6
MAY										
08...	--	--	--	--	--	--	--	--	--	--
JUNE										
27...	1	0	2	0	6	1	80	1000	0	0
AUG.										
14...	--	--	--	--	--	--	--	--	--	--
SEP.										
18...	--	--	--	--	--	--	--	--	--	--
26...	1	1	0	3	6	14	130	860	5	5

DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
FEB.									
13...	--	--	--	--	--	--	--	--	7.0
14...	--	--	--	--	--	--	--	--	--
MAR.									
21...	0	60	.0	.1	10	--	10	30	4.1
MAY									
08...	--	--	--	--	--	--	--	--	4.0
JUNE									
27...	17	80	.0	.3	0	0	80	30	3.5
AUG.									
14...	--	--	--	--	--	--	--	--	4.0
SEP.									
18...	--	--	--	--	--	--	--	--	4.0
26...	0	80	.1	.2	0	0	20	20	4.0

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

INSTANTANEOUS SUSPENDED SEDIMENT, JANUARY TO SEPTEMBER 1974

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
JAN.						
17...	0930	12.0	19700	37	1968	--
FEB.						
13...	0945	10.0	25300	--	--	--
14...	0950	11.0	26200	30	2122	--
MAR.						
21...	0900	16.5	9980	47	1266	--
APR.						
26...	0830	19.0	13800	39	1453	--
MAY						
08...	0830	21.0	8710	--	--	--
22...	0915	23.5	9260	54	1350	--
AUG.						
01...	0930	26.0	8060	24	522	100
14...	1300	25.0	10400	--	--	--
30...	0845	27.0	9020	30	731	100
SEP.						
18...	1030	24.5	9510	--	--	--
26...	0745	21.5	7680	25	518	100

TEMPERATURE (°C) OF WATER AT 0800 EST, JANUARY TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	14.0	13.0	9.0	15.0	18.0	22.0	22.0	24.0	24.0
2	---	---	---	14.0	14.0	11.0	16.0	19.0	22.0	23.0	24.0	23.0
3	---	---	---	13.0	14.0	11.0	16.0	20.0	22.0	23.0	24.0	24.0
4	---	---	---	14.0	13.0	12.0	17.0	20.0	21.0	22.0	24.0	23.0
5	---	---	---	14.0	11.0	13.0	18.0	20.0	21.0	22.0	23.0	22.0
6	---	---	---	13.0	12.0	14.0	15.0	19.0	22.0	23.0	22.0	22.0
7	---	---	---	13.0	13.0	14.0	15.0	18.0	22.0	23.0	22.0	22.0
8	---	---	---	12.0	13.0	15.0	14.0	19.0	23.0	23.0	22.0	22.0
9	---	---	---	12.0	11.0	14.0	14.0	19.0	23.0	23.0	22.0	21.0
10	---	---	---	13.0	11.0	16.0	12.0	19.0	23.0	24.0	23.0	21.0
11	---	---	---	13.0	10.0	16.0	13.0	20.0	23.0	25.0	23.0	21.0
12	---	---	---	13.0	9.0	17.0	13.0	20.0	22.0	24.0	22.0	22.0
13	---	---	---	12.0	9.0	15.0	16.0	19.0	22.0	22.0	22.0	22.0
14	---	---	---	11.0	10.0	13.0	16.0	19.0	23.0	22.0	22.0	23.0
15	---	---	---	10.0	11.0	13.0	17.0	20.0	23.0	23.0	22.0	23.0
16	---	---	---	12.0	11.0	14.0	15.0	20.0	23.0	23.0	23.0	23.0
17	---	---	---	11.0	11.0	14.0	15.0	21.0	21.0	23.0	23.0	23.0
18	---	---	---	12.0	10.0	12.0	14.0	21.0	20.0	23.0	23.0	23.0
19	---	---	---	11.5	11.0	13.0	15.0	21.0	21.0	23.0	22.0	22.0
20	---	---	---	12.0	10.0	14.0	15.0	22.0	22.0	24.0	23.0	23.0
21	---	---	---	13.0	10.0	16.0	15.0	22.0	23.0	24.0	23.0	23.0
22	---	---	---	11.0	13.0	13.0	16.0	22.0	24.0	23.0	23.0	23.0
23	---	---	---	12.0	12.0	15.0	17.0	---	24.0	22.0	23.0	21.0
24	---	---	---	13.0	11.0	15.0	16.0	22.0	23.0	23.0	23.0	20.0
25	---	---	---	13.0	10.0	14.0	16.0	22.0	21.0	22.0	23.0	19.0
26	---	---	---	14.0	8.0	12.0	15.0	22.0	22.0	22.0	23.0	19.0
27	---	---	---	14.0	8.0	12.0	17.0	20.0	22.0	23.0	24.0	20.0
28	---	---	---	14.0	8.0	13.0	17.0	19.0	21.0	23.0	24.0	21.0
29	---	---	---	15.0	---	14.0	18.0	19.0	22.0	23.0	24.0	21.0
30	---	---	---	15.0	---	15.0	18.0	20.0	22.0	23.0	24.0	19.0
31	---	---	---	14.0	---	15.0	---	21.0	---	24.0	24.0	---
MONTH	---	---	---	13.0	11.0	13.5	15.5	20.0	22.0	23.0	23.0	22.0
YEAR	MAX	25.0	MIN	8.0	MEAN	18.0						

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), JANUARY TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	69	53	48	69	70	57	61	60	58
2	---	---	---	68	54	50	65	70	61	60	75	66
3	---	---	---	74	54	50	69	71	64	58	72	68
4	---	---	---	69	54	52	75	71	65	59	71	68
5	---	---	---	60	54	53	71	71	68	42	71	66
6	---	---	---	59	54	54	62	71	70	58	70	68
7	---	---	---	60	54	58	63	70	71	57	68	68
8	---	---	---	60	53	59	62	70	71	56	72	67
9	---	---	---	57	52	62	55	71	71	56	73	66
10	---	---	---	58	51	65	56	71	70	55	75	64
11	---	---	---	57	51	63	56	73	70	56	69	66
12	---	---	---	57	51	67	54	73	66	58	68	69
13	---	---	---	57	50	69	54	73	69	55	65	70
14	---	---	---	56	50	105	52	70	72	56	70	65
15	---	---	---	57	54	74	51	69	72	---	76	58
16	---	---	---	57	54	74	51	69	66	52	66	60
17	---	---	---	56	54	73	51	71	63	56	62	60
18	---	---	---	54	52	71	53	73	60	57	62	65
19	---	---	---	52	52	69	55	73	62	60	61	66
20	---	---	---	52	50	84	59	71	64	60	64	67
21	---	---	---	52	50	73	57	70	69	60	69	69
22	---	---	---	52	49	58	59	66	70	59	69	67
23	---	---	---	53	49	70	60	---	67	59	69	70
24	---	---	---	54	49	70	64	66	65	58	65	70
25	---	---	---	53	48	66	66	67	65	59	65	70
26	---	---	---	54	48	67	72	69	66	61	65	65
27	---	---	---	54	48	68	70	68	69	65	67	70
28	---	---	---	53	48	67	70	57	66	61	71	68
29	---	---	---	53	---	69	68	55	63	61	71	68
30	---	---	---	53	---	66	58	60	60	60	71	70
31	---	---	---	53	---	68	---	57	---	60	60	---
MONTH	---	---	---	57	51	66	61	69	66	58	68	66
YEAR	MAX	105	MIN	42	MEAN	63						

PART 3. GROUND WATER RECORDS

167

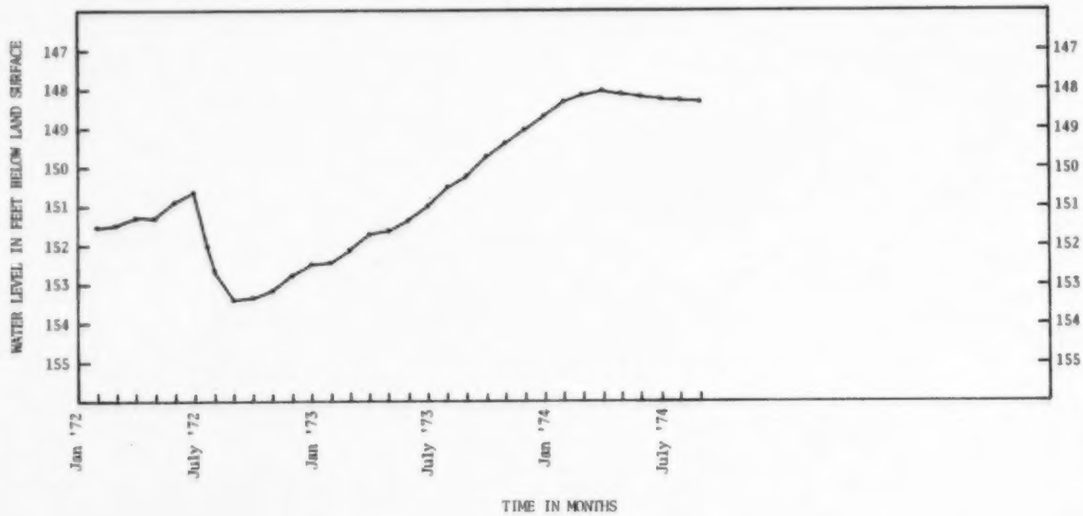
331940081443501. Local number 4-M. Formerly listed AK-2 or LA-4. U.S. Government, Atomic Energy Commission. Savannah River Plant. Drilled unused industrial artesian well in sands of the Tuscaloosa Formation, diam 18 in (45.7 cm) from the surface to 318 ft (97 m), 8 in (20.3 cm) from 279 ft (85 m) to 605 ft (184.4 m), depth 605 ft (184.4 m), cased to 605 ft (184.4 m), screened 390-400 ft (119-122 m), 455-465 ft (139-142 m), 590-600 ft (180-183 m). Lsd 357 ft (109 m) above msl. Mp top of casing, at lsd. Highest water level 144.82 ft (44.14 m) below lsd, Feb. 23, 1966; lowest 153.99 ft (46.94 m) below lsd, Sept. 16, 18, 19, 24, 26, 1970. Records available: 1955-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149.82	149.48	149.43	148.74	148.54	148.33	147.99	147.95	148.22	148.20	148.36	148.40
2	149.89	149.64	149.26	148.86	148.47	148.27	148.05	148.01	148.15	148.30	148.37	148.33
3	149.94	149.64	149.18	148.93	148.30	148.15	148.09	148.02	148.14	148.48	148.41	148.28
4	149.93	149.49	149.04	148.88	148.27	148.12	148.11	148.05	148.26	148.44	148.33	148.32
5	149.93	149.35	149.07	148.84	148.48	148.13	148.05	147.95	148.32	148.40	148.24	148.44
6	149.89	149.49	149.22	148.70	148.50	148.14	148.12	147.92	148.30	148.32	148.26	148.38
7	149.77	149.74	149.33	148.58	148.27	148.18	148.15	148.00	148.24	148.14	148.34	148.36
8	149.69	149.73	149.28	148.70	148.15	148.21	148.03	148.08	148.16	148.07	148.37	148.34
9	149.75	149.60	149.04	148.79	148.26	148.20	147.98	148.10	148.12	148.14	148.34	148.34
10	149.77	149.64	148.91	148.81	148.32	148.11	148.14	148.12	148.07	148.20	148.27	148.39
11	149.79	149.61	149.02	148.74	148.30	148.09	148.26	148.18	148.06	148.24	148.23	148.40
12	149.83	149.49	149.12	148.74	148.38	148.03	148.22	147.99	148.12	148.30	148.24	148.40
13	149.79	149.43	149.01	148.82	148.38	148.07	148.05	148.06	148.21	148.37	148.23	148.41
14	149.66	149.40	149.06	148.80	148.36	148.21	147.93	148.21	148.28	148.27	148.22	148.39
15	149.57	149.36	149.09	148.75	148.34	148.29	147.85	148.28	148.23	148.11	148.28	148.33
16	149.58	149.30	148.89	148.71	148.26	148.17	147.97	148.33	148.08	148.14	148.32	148.33
17	149.67	149.39	148.79	148.71	148.17	148.08	148.09	148.34	148.02	148.26	148.32	148.33
18	149.75	149.31	149.00	148.78	148.16	148.09	148.19	148.33	148.16	148.37	148.22	148.33
19	149.85	149.21	149.18	148.77	148.02	148.10	148.19	148.23	148.29	148.36	148.20	148.42
20	149.81	149.33	149.09	148.59	148.11	148.07	148.29	148.16	148.33	148.27	148.29	148.45
21	149.68	149.37	149.03	148.41	148.30	148.02	148.16	148.26	148.29	148.12	148.36	148.38
22	149.64	149.39	149.16	148.49	148.18	148.16	147.90	148.29	148.25	148.05	148.41	148.29
23	149.65	149.32	149.11	148.63	148.23	148.17	147.85	148.27	148.13	148.09	148.40	148.31
24	149.64	149.20	149.06	148.68	148.20	148.09	147.98	148.28	148.10	148.14	148.37	148.43
25	149.66	149.04	148.90	148.69	148.20	148.14	148.15	148.25	148.18	148.20	148.32	148.41
26	149.65	148.97	148.88	148.65	148.35	148.26	148.17	148.12	148.30	148.29	148.30	148.35
27	149.63	149.08	148.94	148.40	148.41	148.25	148.16	148.03	148.35	148.33	148.34	148.33
28	149.49	149.10	149.05	148.25	148.42	148.19	148.03	148.13	148.38	148.24	148.34	148.33
29	149.34	149.28	148.90	148.33	---	148.02	147.90	148.20	148.46	148.19	148.35	148.21
30	149.37	149.46	148.81	148.41	---	147.90	147.91	148.16	148.35	148.24	148.40	148.15
31	149.37	---	148.70	148.52	---	147.91	---	148.19	---	148.33	148.46	---
MONTH	149.70	149.39	149.05	148.66	148.29	148.13	148.06	148.14	148.21	148.24	148.31	148.35

YEAR MAX 149.94 MIN 147.85 MEAN 148.55

MONTHLY MEAN HYDROGRAPH

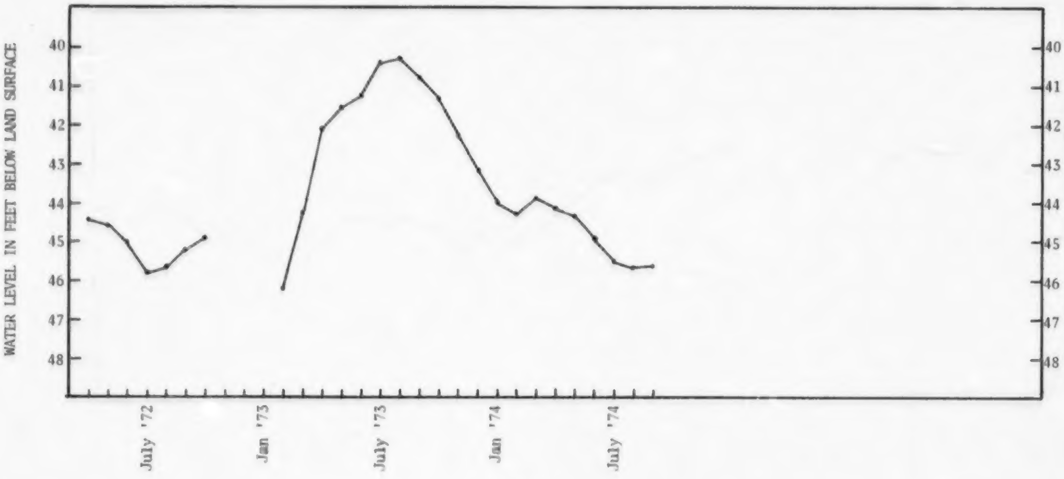


331705081391501. Local number S-138. U.S. Atomic Energy Commission. U.S. Government. Savannah River Plant. Drilled unused domestic artesian well in sand of Eocene age, diam 3 in (7.6 cm), depth 90 ft, (27.4 m), casing depth not applicable. Lsd 292 ft (89 m) above msl. MP top of casing, 0.88 ft (0.27 m) above lsd. Highest water level 32.30 ft (9.85 m) below lsd, Apr. 28, 1960; lowest 54.68 ft (16.67 m) below lsd, Feb. 12, 1955. Records available: 1951-60, 1966, 68, 69, 72-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
INSTANTANEOUS OBSERVATIONS AT 12:00 AM

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.92	41.77	42.93	43.45	44.46	44.03	44.09	44.15	44.65	45.24	45.83	45.53
2	40.98	41.77	42.95	43.47	44.45	---	44.11	44.14	44.68	45.27	45.85	45.52
3	40.98	41.94	42.94	43.47	44.40	---	44.12	44.14	44.71	45.32	45.87	45.49
4	40.98	41.97	42.86	43.78	44.50	---	44.11	44.16	44.78	45.32	45.89	45.48
5	41.00	41.96	42.80	43.75	44.69	---	44.09	44.16	44.79	45.30	45.88	45.60
6	41.08	42.09	42.94	43.77	44.69	---	44.16	44.16	44.78	45.32	45.88	45.61
7	41.12	42.12	43.08	43.75	44.64	---	44.27	44.20	44.77	45.37	45.87	45.59
8	41.12	42.11	43.08	43.86	44.34	44.93	44.19	44.27	44.79	45.38	45.87	45.61
9	41.14	42.09	43.03	43.92	44.43	---	44.02	44.26	44.82	45.38	45.79	45.62
10	41.15	42.23	43.06	43.92	44.53	44.91	44.20	44.26	44.83	45.37	45.70	45.65
11	41.18	42.34	43.13	43.90	44.49	43.89	44.30	44.28	44.82	45.38	45.70	45.65
12	41.26	42.33	43.15	43.95	44.47	43.80	44.06	44.18	44.84	45.43	45.73	45.64
13	---	42.29	43.05	44.12	44.44	43.97	44.13	44.31	44.88	45.53	45.69	45.65
14	---	42.26	43.04	44.15	44.38	44.03	44.07	44.41	44.93	45.54	45.66	45.66
15	---	42.24	43.15	44.07	44.34	43.97	44.00	44.42	44.94	45.51	45.67	45.67
16	---	42.21	43.15	44.03	44.28	43.88	44.06	44.45	44.92	45.49	45.66	45.69
17	---	42.38	43.16	44.02	44.13	43.91	44.11	44.48	44.90	45.55	45.60	45.69
18	---	42.43	43.26	44.07	44.14	43.92	44.14	44.48	44.99	45.65	45.48	45.68
19	41.46	42.39	43.27	44.14	44.02	43.88	44.14	44.48	45.09	45.65	45.47	45.73
20	41.46	42.44	43.22	44.14	43.90	43.86	44.18	44.49	45.10	45.62	45.50	45.73
21	41.48	42.49	43.21	44.11	44.19	43.94	44.26	44.52	45.07	45.61	45.56	45.73
22	41.55	42.54	43.27	44.17	44.04	44.04	44.20	44.52	45.03	45.65	45.57	45.72
23	41.57	42.58	43.37	44.20	44.04	44.98	44.05	44.45	45.01	45.69	45.56	45.74
24	41.56	42.58	43.39	44.25	44.10	44.06	44.03	44.46	45.03	---	45.53	45.75
25	41.47	42.53	43.40	44.28	44.05	44.15	44.17	44.49	45.09	45.73	45.53	45.75
26	41.59	42.58	43.34	44.31	44.15	44.11	44.22	44.49	---	45.74	45.53	45.71
27	41.62	42.65	43.36	44.30	44.19	44.04	44.23	44.48	---	45.75	45.52	45.71
28	41.67	42.60	43.43	44.30	44.15	43.86	44.26	44.63	45.17	45.75	45.50	45.74
29	41.62	42.75	43.42	44.30	---	43.93	44.26	44.66	45.23	45.75	45.51	45.74
30	41.67	42.93	43.38	44.32	---	43.78	44.20	44.59	45.26	45.75	45.54	45.74
31	41.68	---	43.43	44.36	---	43.93	---	44.60	---	45.79	45.54	---
MONTH	41.33	42.31	43.16	44.02	44.30	---	44.14	44.37	44.92	45.52	45.66	45.66
YEAR	MAX	45.89	MIN	40.92	MEAN	44.16						

MONTHLY MEAN HYDROGRAPH



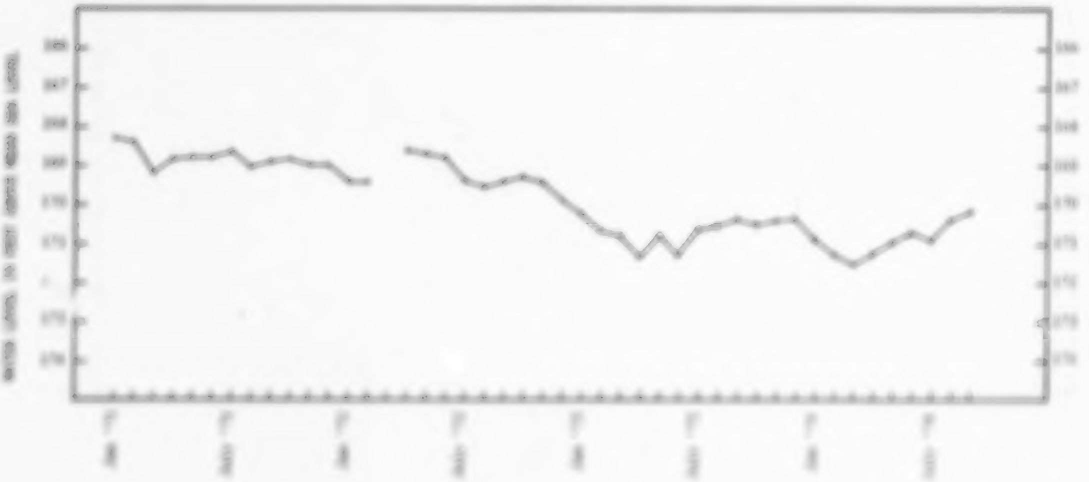
331320081440101. Local number S-411. U.S. Atomic Energy Commission. U.S. Government. Savannah River Plant. Drilled unused domestic artesian well in sand of Late Cretaceous age, diam 2 in (5.1 cm), depth 270 ft (82.2 m), cased to 265 ft (81 m). Lsd 157.53 ft (48.02 m) above msl. MP top of casing, 17.82 ft (5.25 m) above lsd. Highest water level 173.13 ft (52.77 m) above msl, Apr. 17, 1964; lowest 167.65 ft (51.10 m) above msl, Sept 10, 1956. Records available: 1952-60, 1966, 1971-74. Records previously reported in feet above lsd.

WATER LEVEL (ALTITUDE ABOVE MSL) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
INSTANTANEOUS OBSERVATIONS AT 12:00 AM

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170.40	170.55	170.23	170.51	171.07	171.40	---	171.04	170.88	171.49	170.40	170.21
2	170.41	170.50	170.32	170.43	171.11	---	---	171.04	170.87	171.46	170.39	170.23
3	170.45	170.49	170.37	170.53	171.15	---	---	171.05	170.85	171.44	170.37	170.26
4	170.47	170.49	170.46	170.67	171.08	---	---	171.03	170.79	171.48	170.38	170.23
5	170.50	170.53	170.50	170.72	170.95	---	171.20	171.07	170.70	171.51	170.44	170.26
6	170.48	170.43	170.30	170.70	170.99	---	171.12	171.05	170.81	171.51	170.55	170.27
7	170.48	170.44	170.36	170.82	171.25	---	171.15	171.03	170.81	171.49	170.50	170.30
8	170.50	170.46	170.44	170.74	171.37	171.95	171.32	170.99	170.85	171.51	170.49	170.30
9	170.51	170.48	170.51	170.78	171.25	171.53	171.46	171.01	170.83	171.53	170.51	170.29
10	170.54	170.29	170.40	170.82	171.21	171.54	171.41	170.98	170.53	171.54	170.51	170.28
11	170.53	170.25	170.43	170.88	171.26	171.51	171.43	171.95	170.83	171.55	170.48	170.28
12	170.58	170.29	170.47	170.81	171.23	171.57	171.53	171.04	170.80	171.49	---	170.28
13	170.51	170.32	169.65	170.76	171.23	171.53	171.62	170.92	170.76	171.43	---	170.29
14	170.53	170.35	169.87	170.80	171.23	171.47	171.65	170.87	170.73	171.43	---	170.29
15	170.55	170.39	170.54	170.87	171.30	171.45	171.64	170.87	170.77	171.45	---	170.29
16	170.60	170.39	169.60	170.91	171.42	171.55	171.49	170.83	170.79	171.44	---	170.26
17	170.53	170.29	170.43	170.95	171.36	171.51	171.39	170.80	170.78	170.38	170.48	170.27
18	170.51	170.32	170.47	170.92	171.36	171.50	171.32	170.78	170.70	170.34	170.46	170.31
19	170.53	170.35	170.43	170.95	171.55	171.53	171.29	170.77	170.64	170.36	170.44	170.24
20	170.54	170.32	170.54	171.09	171.48	171.58	171.19	170.67	170.60	170.39	170.39	170.21
21	170.53	170.32	170.54	171.03	171.43	171.65	171.10	170.85	170.60	170.42	170.37	170.22
22	170.58	170.32	170.47	170.96	171.60	171.53	171.09	170.86	170.71	170.39	170.36	170.22
23	170.53	170.32	170.41	170.98	171.51	171.55	171.15	170.89	170.71	170.37	170.35	170.16
24	170.55	170.36	170.39	170.95	171.52	171.50	171.15	170.89	170.69	170.37	170.35	170.18
25	170.55	170.42	170.40	170.98	171.52	171.49	171.08	170.01	170.67	170.38	170.32	170.14
26	170.55	170.48	170.47	171.02	171.44	171.47	171.01	170.93	---	170.38	170.30	170.18
27	170.53	170.41	170.44	171.05	171.48	171.50	171.01	170.96	---	170.39	170.28	170.20
28	170.54	170.51	170.41	171.18	171.39	171.56	171.00	170.88	170.55	170.44	170.28	170.16
29	170.58	170.58	170.44	171.07	---	171.72	171.00	170.84	171.00	170.07	170.27	170.17
30	170.60	170.31	170.60	171.10	---	---	171.03	171.00	171.67	170.05	170.24	170.13
31	170.63	---	170.51	171.09	---	---	---	170.93	---	170.42	170.21	---
MONTH	170.52	170.38	170.37	170.86	171.30	---	171.26	170.90	170.80	170.95	170.38	170.23

YEAR MAX 171.95 MIN 169.65 MEAN 170.70

MONTHLY MEAN HYDROGRAPH

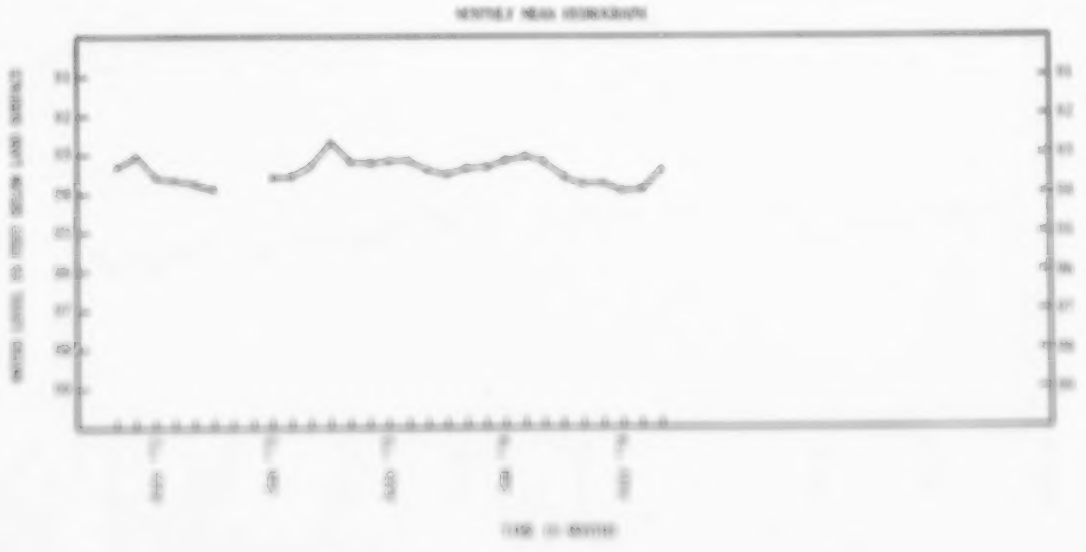


TIME IN MONTHS

332555081531501. Local number AK-183. Formerly listed AK-1. Lyles and Long Construction Co. Near Beech Island. Drilled unused industrial artesian well in sands of Late Cretaceous age, diam 10 in (25.4 cm), depth 320 ft (97.5 m), cased to 320 ft (97.5 m), screened 290-320 ft (88-97.5 m). Lsd 254 ft (77 m) above msl. MP top of casing, 0.85 ft (0.26 m) above lsd. Highest water level 89.92 ft (27.41 m) below lsd, Mar. 15, 1966; lowest 99.43 ft (30.31 m) below lsd, Mar 4, 1958. Records available: 1952-74.

WATER LEVEL (FT. BELOW LSD) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
INSTANTANEOUS OBSERVATIONS AT 12:00 AM

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93.53	93.45	93.48	93.33	93.24	93.00	---	93.98	93.75	94.01	94.17	93.13
2	93.59	93.50	93.53	93.40	93.30	93.10	---	93.96	---	94.04	93.97	93.17
3	93.60	93.63	93.40	93.31	93.16	93.19	---	94.00	---	94.03	94.06	93.39
4	93.74	93.66	93.36	93.23	93.26	93.11	---	93.98	---	94.04	94.07	93.44
5	93.58	93.57	93.26	---	93.36	93.00	---	93.92	---	94.02	93.86	94.00
6	93.66	93.57	93.30	---	93.30	93.14	---	93.60	---	94.10	93.87	93.75
7	93.64	93.60	93.45	---	93.04	93.23	---	93.66	---	94.03	93.86	---
8	93.67	93.51	93.36	---	93.10	93.21	---	93.77	---	94.03	93.80	---
9	93.62	93.22	93.27	---	93.36	93.20	---	93.78	---	94.11	93.84	---
10	93.65	93.40	93.36	---	93.20	93.44	---	93.72	---	94.04	93.84	---
11	93.61	93.65	93.41	93.10	93.23	93.33	---	93.75	---	94.02	93.86	---
12	93.77	93.65	93.24	93.08	93.26	93.22	---	93.80	---	94.11	93.83	93.47
13	93.60	93.50	93.17	93.32	93.17	93.16	---	93.77	---	94.11	93.80	93.40
14	93.66	93.29	93.21	93.39	93.10	93.22	---	93.82	---	94.04	93.78	93.36
15	93.63	93.27	93.26	93.23	92.96	93.26	---	93.72	---	94.09	93.86	93.34
16	93.68	93.26	93.20	93.11	92.73	93.15	---	93.97	---	94.12	93.86	93.36
17	93.66	93.41	93.20	93.13	92.98	93.21	---	93.81	---	94.05	---	---
18	93.65	93.37	93.30	93.20	92.82	93.23	---	94.06	---	94.12	---	---
19	93.60	93.37	93.52	93.09	92.91	93.26	---	94.07	---	94.25	---	---
20	93.67	93.40	93.26	93.12	93.02	93.18	---	93.86	---	94.09	---	---
21	93.53	93.40	93.27	93.15	92.82	93.09	---	93.78	---	93.89	---	---
22	93.60	93.38	93.46	93.26	92.82	93.21	---	93.73	---	93.75	---	---
23	93.58	93.47	93.51	93.19	93.06	93.20	---	93.69	---	93.91	94.12	---
24	93.52	93.35	93.47	93.20	93.01	93.23	---	93.67	---	93.98	94.01	---
25	93.56	93.26	93.46	93.30	93.16	93.37	---	93.58	---	93.82	94.19	---
26	93.66	93.27	93.26	93.25	93.19	93.39	93.56	93.86	---	93.97	94.17	---
27	93.58	93.32	93.36	93.22	93.22	93.33	93.67	93.63	---	93.83	94.20	---
28	93.55	93.28	93.57	93.18	---	93.23	93.81	93.78	93.81	93.90	94.18	---
29	93.43	93.36	93.47	93.18	---	93.30	93.78	93.71	93.81	93.86	93.96	---
30	93.37	93.67	93.26	93.13	---	---	93.88	93.66	94.02	94.03	93.89	---
31	93.36	---	93.22	93.18	---	---	---	93.72	---	94.08	93.61	---
MEAN	93.58	93.41	93.34	93.21	93.10	93.21	---	93.78	---	94.01	93.97	---
[illegible]	[illegible]	94.01	[illegible]	92.73	[illegible]	93.52						

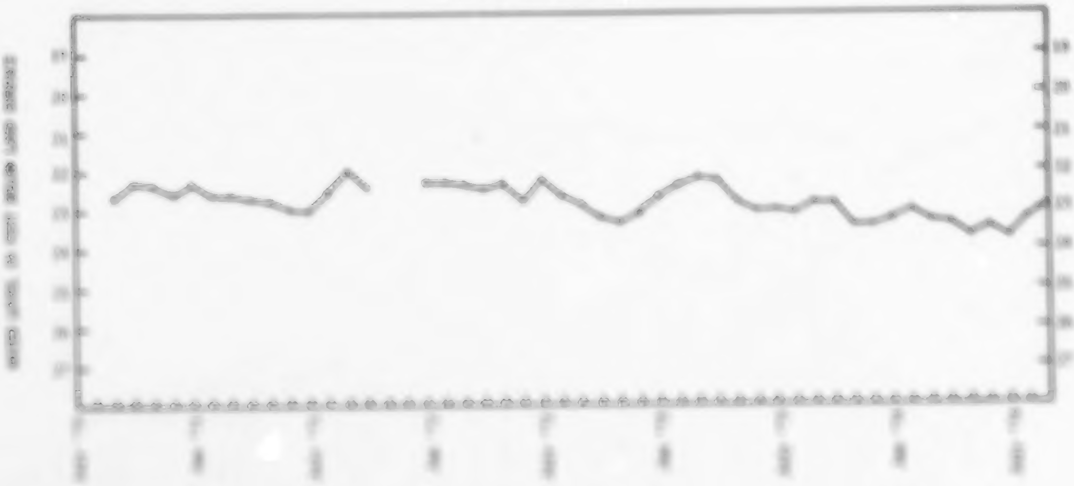


321551080491003. Local number BFT-429. Formerly listed BFT-215. South Carolina Wildlife and Marine Resources Dept. Victoria Bluff. On the Coast. Northwest of Hilton Head Island. Drilled observation artesian well in Ocala Limestone, diam 6 in (15.2 cm), depth 300 ft (91.4 m), cased to 100 ft (30 m), open hole below 100 ft (30 m). Lsd 22.0 ft (6.7 m) above msl. MP top of casing, 1.85 ft (0.56 m) above lsd. Highest water level 21.17 ft (6.45 m) below lsd, Oct. 22 and Nov. 1, 1971; lowest 24.75 ft (7.54 m) below lsd July 17, 20, 1974. Records available: 1970-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.72	23.34	23.82	23.47	23.30	23.32	23.27	24.06	23.48	23.37	23.71	23.33
2	22.71	23.40	23.78	23.55	23.16	23.35	23.26	24.10	23.52	23.45	23.85	23.31
3	22.73	23.44	23.67	23.44	23.12	23.35	23.20	24.12	23.53	23.48	24.08	23.23
4	22.74	23.46	23.54	23.36	23.25	23.33	23.11	24.27	23.42	23.39	23.68	23.20
5	22.79	23.48	23.52	23.34	23.24	23.28	23.10	24.02	23.30	23.38	23.59	23.16
6	22.83	23.46	23.69	23.20	22.98	23.30	23.34	23.93	23.28	23.42	23.51	22.99
7	22.79	23.42	23.68	23.12	22.81	23.32	23.31	23.82	23.29	23.46	23.55	23.05
8	22.79	23.36	23.40	23.14	22.78	23.34	23.12	23.72	23.37	23.41	23.45	22.98
9	22.81	23.33	23.30	23.05	22.98	23.35	23.21	23.68	23.42	23.35	23.35	22.88
10	22.81	23.34	23.35	23.07	23.00	23.36	23.38	23.69	23.46	23.35	23.30	22.82
11	22.78	23.29	23.51	23.06	23.04	23.31	23.39	23.70	23.50	23.49	23.22	22.78
12	22.73	23.23	23.40	23.20	23.05	23.20	23.32	23.50	23.53	23.85	23.13	22.74
13	22.73	23.24	23.16	23.24	23.04	23.26	23.33	23.63	23.55	24.20	23.07	23.04
14	22.70	23.30	23.25	23.14	23.09	23.35	23.35	23.62	23.55	24.04	23.06	23.50
15	22.82	23.33	23.26	23.14	23.13	23.40	23.39	23.58	23.51	23.71	23.06	22.93
16	22.81	23.42	23.10	23.22	22.83	23.31	23.45	23.64	23.41	23.95	23.04	22.77
17	22.92	23.54	23.26	23.27	22.93	23.48	23.41	23.69	23.47	24.36	22.94	22.68
18	22.94	23.46	23.43	23.27	22.91	23.45	23.39	23.74	23.53	24.15	22.85	22.66
19	22.97	23.42	23.34	23.21	22.86	23.41	23.37	23.78	23.54	24.19	22.87	22.70
20	22.93	23.47	23.04	23.17	22.92	23.42	23.43	23.78	23.54	24.42	22.88	22.73
21	22.95	23.44	23.31	23.11	22.96	23.37	23.39	23.51	23.59	23.76	22.88	22.75
22	22.98	23.48	23.49	23.19	22.85	23.44	23.34	23.43	23.67	23.65	22.89	22.78
23	22.93	23.48	23.40	23.16	23.12	23.22	23.35	23.41	23.70	23.65	22.90	22.76
24	22.84	23.38	23.52	23.21	23.05	23.24	23.39	23.44	23.67	23.86	22.95	22.67
25	22.75	23.31	23.47	23.25	23.21	23.31	23.42	23.37	23.46	24.11	23.00	22.63
26	22.75	23.38	23.42	23.24	23.30	23.25	23.63	23.28	23.41	23.79	23.03	22.88
27	22.70	23.37	23.47	23.24	23.36	23.24	23.67	23.34	23.24	23.74	23.06	23.37
28	22.88	23.34	23.53	23.25	23.31	23.16	23.67	23.37	23.29	23.69	23.07	23.35
29	22.96	23.69	23.44	23.31	---	23.03	23.88	23.35	23.35	23.61	23.27	22.87
30	23.15	23.78	23.41	23.30	---	23.03	23.89	23.36	23.36	23.61	23.67	22.79
31	23.17	---	23.42	23.30	---	23.22	---	23.44	---	23.78	23.36	---
MONTH	22.86	23.41	23.43	23.23	23.05	23.30	23.37	23.65	23.46	23.72	23.23	22.96
YEAR	MAX	24.42	MIN	22.63	MEAN	23.30						

MONTHLY MEAN HYDROGRAPH



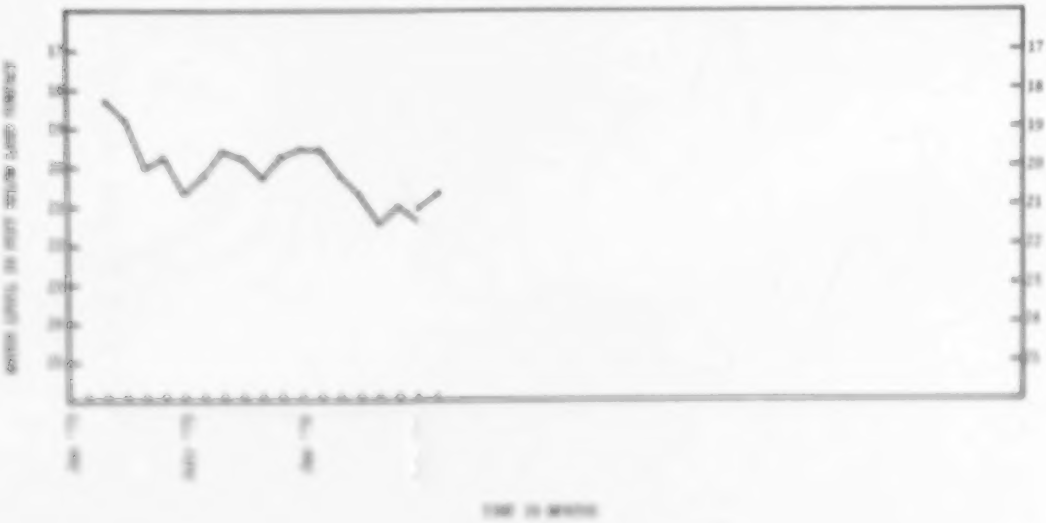
TIME IN MONTHS

321125080423000. Local number number BFT-444. Palmetto Dunes Development Corp. Southern part of Hilton Head Island. Drilled unused recreation artesian well in Ocala Limestone, diam 6 in (15.2 cm), depth 212 ft (64.6 m), cased to 146 ft (45 m), open hole to 212 ft (64.6 m). Lsd 8 ft (2 m) above msl. MP top of casing, 0.95 ft (0.29 m) above lsd. Highest water level 16.92 ft (5.15 m) below lsd, Apr. 3, 1973; lowest 24.51 ft (7.47 m) below lsd, July 19, 1974. Records available: 1973-74.

WATER-LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.80	20.30	20.29	19.29	20.14	20.21	19.93	22.26	21.14	20.32	21.52	20.34
2	19.05	20.50	19.99	19.54	19.75	20.02	20.11	22.11	21.08	21.36	21.53	20.95
3	19.62	20.68	20.04	19.86	19.74	19.75	19.89	22.61	21.03	21.09	21.50	20.58
4	19.86	20.47	19.87	19.52	19.81	20.19	20.49	22.31	20.36	20.50	21.05	20.19
5	19.76	20.28	20.05	19.21	19.57	20.08	19.93	21.64	20.51	20.26	20.58	20.07
6	19.55	20.06	20.33	19.03	19.61	20.27	20.24	21.59	20.50	20.21	20.41	19.62
7	19.77	20.46	20.11	19.56	19.50	20.48	20.38	21.75	20.89	20.56	20.39	19.68
8	19.62	20.31	19.64	18.98	19.14	20.89	20.19	21.92	22.09	20.29	20.25	19.61
9	19.53	20.23	19.56	19.10	19.34	20.88	20.08	21.76	23.15	20.63	20.08	19.44
10	19.85	20.05	19.83	19.25	19.23	20.75	20.16	22.07	23.04	21.14	20.48	19.33
11	19.87	20.22	19.91	19.29	19.16	20.73	21.00	21.59	21.18	21.18	19.84	19.46
12	19.84	20.03	19.98	20.44	19.41	20.35	20.54	21.21	21.40	21.27	19.71	19.53
13	19.67	19.90	19.70	19.19	19.92	20.17	20.61	20.80	20.64	21.20	19.65	19.82
14	20.00	20.26	19.93	19.11	19.87	20.29	20.43	20.95	20.68	21.60	19.63	19.75
15	20.16	20.50	19.61	19.11	19.87	20.57	20.42	21.53	20.61	21.67	19.64	19.69
16	19.87	20.44	19.36	19.93	19.05	20.23	20.25	22.11	20.20	22.03	19.67	19.59
17	20.10	20.51	19.53	19.92	19.24	20.25	20.48	21.81	20.35	22.28	19.37	19.79
18	19.76	20.28	19.43	19.78	19.21	20.49	20.61	21.67	20.91	22.08	19.67	19.54
19	20.23	20.46	19.58	19.31	18.54	20.60	20.89	21.69	21.70	22.24	19.85	19.50
20	20.12	20.06	18.90	19.41	19.75	20.76	20.89	21.95	21.91	21.70	19.28	19.63
21	19.98	20.10	19.66	18.99	19.49	20.59	20.87	21.47	22.00	21.39	19.38	19.89
22	19.83	20.20	19.46	19.34	19.28	20.57	20.99	21.18	21.72	21.60	19.55	19.83
23	19.55	20.16	19.63	19.44	19.64	20.16	20.90	21.00	21.48	21.64	19.52	19.40
24	19.48	20.15	19.44	19.38	19.42	20.14	21.45	20.49	21.15	21.93	19.54	19.21
25	19.41	20.02	19.41	19.38	20.00	19.98	21.10	20.31	20.68	21.68	19.21	19.10
26	19.51	19.99	20.20	19.69	20.11	19.81	21.21	20.25	20.31	21.93	19.48	19.22
27	19.62	19.91	19.47	19.75	19.83	19.76	21.17	20.61	20.09	21.65	19.57	19.17
28	19.68	20.17	19.43	19.78	20.10	19.65	21.64	20.66	20.12	21.53	19.60	19.15
29	19.61	20.29	19.20	19.77	---	19.32	21.60	20.68	20.09	21.70	19.98	19.17
30	20.15	20.23	19.60	19.82	---	19.32	21.80	20.43	20.06	21.59	20.48	19.18
31	20.13	---	19.60	19.73	---	19.83	---	21.36	---	21.61	20.27	---
MONTH	19.73	20.26	19.70	19.48	19.56	20.22	20.67	21.41	21.03	21.35	20.02	19.64
YEAR	MAX	23.15	MIN	18.54	MEAN	20.26						

MONTHLY MEAN HYDROGRAPH

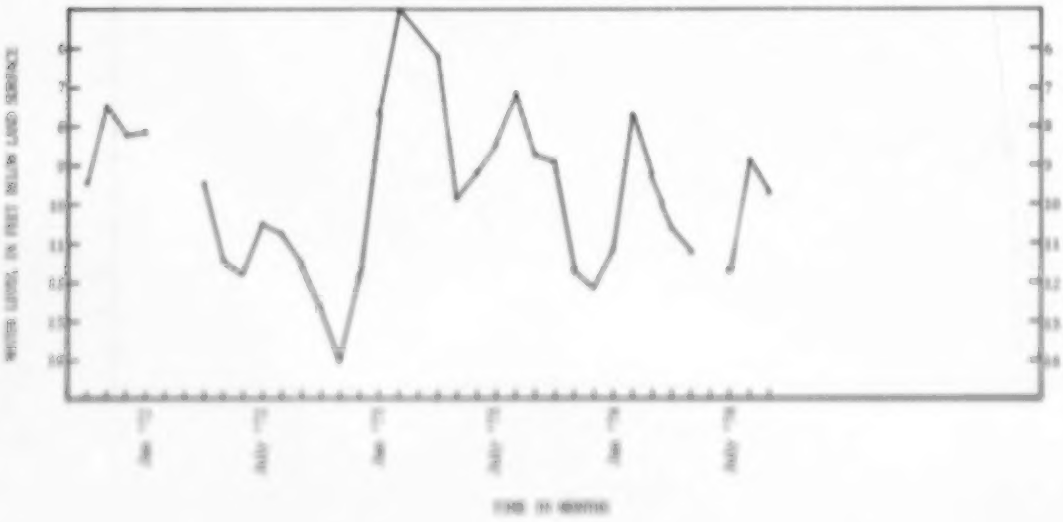


331708079413800. Local number BRK-53. Town of Jamestown. Jamestown. Drilled unused public supply artesian well in Santee Limestone, diam 6 in (15.2 cm), depth 32 ft (9.6 m), cased to 28 ft (9 m), open hole to 32 ft (9.6 m). Lsd 32 ft (10 m) above msl. MP top of casing, 0.56 ft (0.17 m) above lsd. Highest water level 3.65 ft (1.11 m) below lsd, Feb. 16, 1973; lowest 14.14 (4.31 m) below lsd, Nov. 27, 29, 1972. Records available: 1971-74.

WATER LEVEL (FT. BELOW LSD) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.16	10.81	12.57	11.03	10.33	7.61	9.87	11.92	---	---	12.27	8.35
2	9.85	10.97	12.62	11.15	10.21	7.76	9.95	12.04	---	---	12.33	8.49
3	8.50	11.02	12.61	11.05	10.21	7.95	10.02	12.10	---	---	12.38	8.61
4	7.17	11.08	12.62	11.03	10.10	8.08	10.08	12.22	---	12.63	12.42	8.83
5	6.76	11.10	12.66	11.12	10.12	8.18	10.12	12.21	---	12.66	12.44	9.13
6	6.84	11.33	12.76	11.05	9.95	8.35	10.40	12.23	---	12.68	12.33	9.16
7	6.98	11.36	12.80	11.08	9.10	8.51	10.49	12.33	---	12.70	12.02	9.17
8	7.16	11.35	12.74	11.27	7.72	8.65	10.32	12.39	---	12.69	11.64	9.22
9	7.38	11.38	12.67	11.23	7.33	8.72	10.21	12.41	---	12.65	10.82	9.28
10	7.59	11.62	12.67	11.25	7.18	8.83	10.33	12.47	---	12.23	10.30	9.35
11	7.85	11.66	12.71	11.27	7.13	8.95	10.32	12.54	---	11.21	9.31	9.45
12	8.13	11.63	12.71	11.45	7.27	8.87	10.20	12.36	---	10.83	9.08	9.53
13	8.30	11.64	12.64	11.56	7.36	9.33	10.17	12.26	---	10.49	9.14	9.61
14	8.42	11.67	12.73	11.46	7.50	9.54	10.12	12.17	---	10.50	9.28	9.72
15	8.55	11.69	12.75	11.25	7.30	9.61	10.17	12.21	---	10.57	9.01	9.85
16	8.62	11.75	12.63	11.11	6.60	9.44	10.37	---	---	10.61	7.08	9.96
17	8.93	11.92	12.44	11.11	6.28	9.57	10.43	---	---	10.69	6.24	9.97
18	9.15	11.91	12.38	11.23	6.25	9.66	10.56	---	---	10.88	5.98	9.91
19	9.26	11.94	12.27	11.18	6.07	9.66	10.65	---	---	11.19	5.98	9.97
20	9.36	12.04	12.01	11.20	6.43	9.75	10.87	---	---	11.32	6.23	9.99
21	9.53	12.08	11.76	11.18	6.62	9.79	10.87	---	---	11.46	6.46	9.99
22	9.72	12.13	11.70	11.25	6.47	10.07	10.79	---	---	11.59	6.66	10.09
23	9.75	12.17	11.58	11.25	6.81	10.02	10.83	---	---	11.69	6.85	10.26
24	9.81	12.19	11.53	11.30	6.87	10.13	11.11	---	---	11.79	6.99	10.40
25	9.94	12.21	11.41	11.34	7.07	10.32	11.26	---	---	11.88	7.18	10.35
26	10.09	12.30	11.26	11.36	7.39	10.13	11.33	---	---	11.93	7.31	10.39
27	10.26	12.33	11.11	11.35	7.53	9.99	11.44	---	---	11.95	7.44	10.51
28	10.34	12.33	10.97	11.38	7.57	9.82	11.51	---	---	11.97	7.62	10.64
29	10.35	12.48	10.83	11.46	---	9.61	11.62	---	---	12.03	7.85	10.70
30	10.47	12.55	10.86	10.96	---	9.50	11.83	---	---	12.13	8.05	10.86
31	10.56	---	10.93	10.46	---	9.76	---	---	---	12.22	8.22	---
MONTH	8.89	11.75	12.12	11.20	7.74	9.23	10.60	---	---	11.68	8.93	9.72
YEAR	MAX	12.80	MIN	5.98	MEAN	10.29						

MONTHLY MEAN HYDROGRAPH

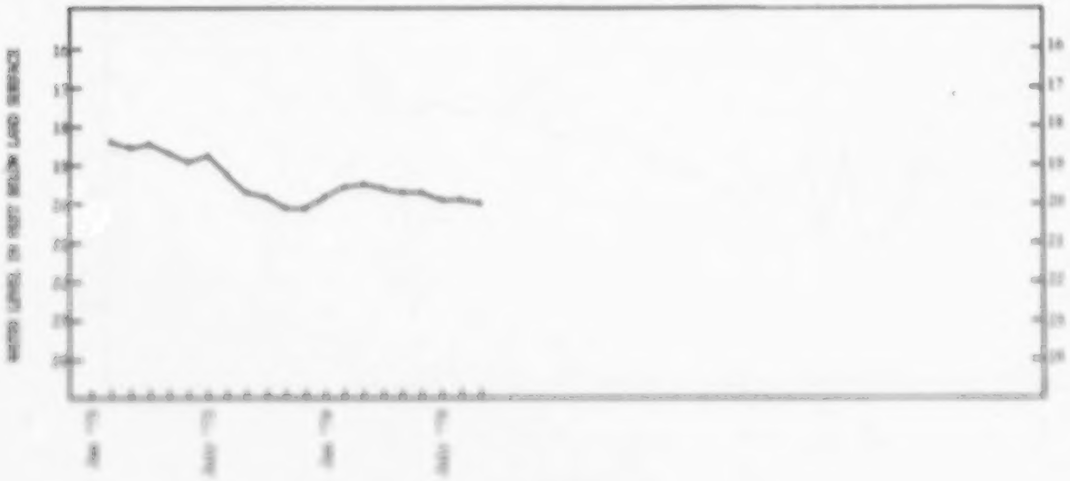


332455079555000. Local number BRK-59. Formerly listed BRK-6. Turner Lumber Co. St. Stephens. Drilled unused industrial artesian well in sands of Late Cretaceous age, diam 6 in (15.2 cm) to 146 ft (45 m), 4 in (10.2 cm) from 146 ft (45 m) to 560 ft (170.7 m), depth 560 ft (170.7 m), screened or slotted 356-390 ft (109-119 m). Lsd 75 ft (23 m) above msl. Mp top of casing, 0.70 ft (0.21 m) above lsd. Highest water level 18.25 ft (5.56 m) below lsd, Apr. 8, 1973; lowest 20.40 ft (6.22 m) below lsd, Dec. 7, 1973. Records available: 1973-74.

WATER LEVEL (FT. BELOW LSD) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
INSTANTANEOUS OBSERVATIONS AT 12:00 AM

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.80	20.06	20.32	19.89	19.77	19.56	19.47	19.80	---	19.89	20.12	19.92
2	19.73	20.15	20.29	19.92	19.78	19.50	19.52	19.88	---	19.86	20.14	---
3	19.71	20.15	20.22	19.94	19.71	19.43	19.56	19.94	---	19.82	20.15	---
4	19.72	20.06	20.21	19.94	19.74	19.38	19.58	19.96	---	19.75	20.12	---
5	19.79	19.97	20.23	19.93	19.74	19.35	19.58	19.82	19.58	19.69	19.96	19.97
6	19.84	20.02	20.33	19.85	19.71	19.41	19.63	19.72	19.57	19.69	19.81	20.01
7	19.76	20.08	20.39	19.80	19.59	19.49	19.62	19.73	19.54	19.69	19.98	19.99
8	19.73	20.10	20.28	19.85	19.38	19.54	19.55	19.78	19.58	19.62	19.98	20.04
9	19.72	20.10	20.18	19.88	19.77	19.54	19.49	19.78	19.58	19.62	19.94	20.05
10	19.72	20.20	20.14	19.92	19.78	19.48	19.58	19.81	19.52	19.66	19.93	20.06
11	19.79	20.16	20.16	19.95	19.71	19.50	19.60	19.81	19.51	19.72	19.90	20.06
12	19.88	20.07	20.22	19.97	19.74	19.54	19.59	19.63	19.54	19.83	19.84	20.07
13	19.89	20.06	20.20	20.00	19.74	19.59	19.50	19.63	19.59	19.89	19.82	20.08
14	19.82	20.05	20.20	19.94	19.71	19.65	---	19.63	19.62	19.86	19.81	20.07
15	19.79	20.08	20.22	19.86	19.59	19.66	---	19.65	19.61	19.83	19.84	20.02
16	19.73	20.07	20.02	19.89	19.38	19.53	---	19.70	19.56	19.89	19.89	19.98
17	19.78	20.16	19.97	19.93	19.30	19.50	---	19.76	19.52	20.03	19.86	20.02
18	19.84	20.09	19.02	19.01	19.37	19.47	---	19.75	19.54	20.03	19.79	19.92
19	19.89	20.04	20.00	19.05	19.30	19.44	---	19.71	19.63	20.08	19.74	20.01
20	19.86	20.11	19.96	19.02	19.39	19.50	---	19.66	19.68	20.12	19.78	20.01
21	19.83	20.18	20.04	19.92	19.46	19.53	---	19.63	19.74	20.12	19.82	19.98
22	19.80	20.20	20.11	19.95	19.38	19.62	---	19.68	19.76	20.07	19.86	19.97
23	19.76	20.17	20.05	19.92	19.48	19.62	---	19.69	19.82	20.09	19.88	19.94
24	19.77	20.18	20.02	20.03	19.44	19.55	---	19.69	19.84	20.12	19.88	20.01
25	19.81	20.10	19.95	20.07	19.46	19.50	19.66	19.65	19.89	20.15	19.84	20.02
26	19.94	20.13	19.88	20.04	19.58	19.52	19.73	19.60	19.96	20.16	19.81	20.02
27	20.06	20.18	19.90	19.94	19.60	19.57	19.74	19.43	19.93	20.16	19.86	20.10
28	20.05	20.19	19.95	19.88	19.57	19.57	19.73	---	19.98	20.09	19.90	20.10
29	19.96	20.29	19.95	19.85	---	19.46	19.71	---	19.98	20.03	19.94	19.96
30	19.98	20.38	19.90	19.78	---	19.45	19.77	---	19.95	20.06	19.97	19.81
31	19.98	---	19.88	19.84	---	19.47	---	---	---	20.12	19.97	---
MONTH	19.83	20.12	20.07	19.83	19.57	19.51	---	19.72	19.69	19.92	19.90	20.00
YEAR	MAX	20.39	MIN	19.01	MEAN	19.82						

MONTHLY MEAN HYDROGRAPH



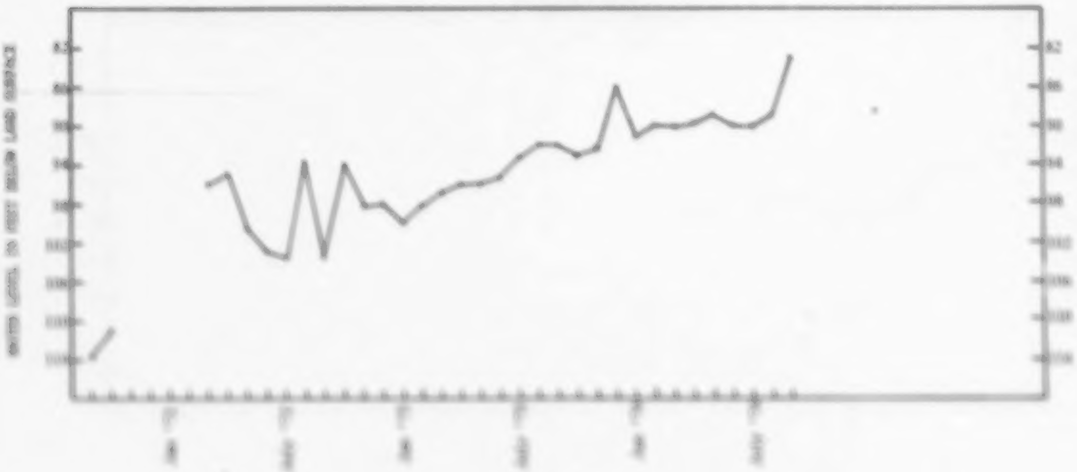
TIME IN MONTHS

325025079574501. Local number CHN-136. Exxon Co. At plant. Northwest of Charleston. Drilled unused industrial and domestic artesian well in limestone and sand of Eocene age, diam 10 in (25.4 cm) to 290 ft (88 m), 8 in (20.3 cm) from 290 ft (88 m) to 504 ft (153.6 m), depth 504 ft (153.6 m), screened with slotted pipe 339-369 ft (103-112 m), 459-504 ft (140-153.6 m). Lsd 15 ft (5 m) above msl. MP top of casing, 1.45 ft (0.44 m) above lsd. Highest water level 70.53 ft (21.50 m) below lsd, Sept. 30, 1974: lowest 118.35 ft (36.07 m) below lsd, Sept. 6, 1971. Records available: 1971-74.

WATER LEVEL (FT. BELOW LSD) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93.39	94.05	85.48	90.07	91.57	92.43	92.27	88.94	88.13	90.61	90.44	87.91
2	91.76	95.33	85.86	89.08	90.73	91.92	91.82	89.45	87.10	90.85	91.94	87.74
3	93.51	94.20	83.49	89.04	91.36	90.09	90.35	88.44	89.81	91.93	91.03	87.56
4	91.87	93.43	84.50	90.26	90.35	91.06	92.84	89.22	91.19	90.97	90.81	87.45
5	91.47	92.24	84.45	90.34	92.74	92.49	92.19	88.15	90.14	91.50	90.73	88.55
6	93.41	94.09	82.45	89.18	91.15	92.86	90.38	88.39	89.05	91.10	90.85	87.90
7	93.66	92.12	81.79	88.70	89.99	93.36	89.65	87.94	88.82	90.25	89.98	88.03
8	93.89	93.35	82.62	88.56	90.86	91.08	89.17	88.83	88.62	90.04	86.77	88.84
9	93.93	91.83	82.46	88.43	91.30	90.59	90.28	88.01	87.73	90.73	86.84	88.77
10	92.13	93.38	82.77	88.94	91.03	91.61	89.52	87.83	88.54	90.77	88.07	88.74
11	93.14	95.22	86.78	89.77	91.87	90.40	89.79	88.54	88.02	89.61	87.51	88.85
12	92.54	95.03	87.82	90.01	90.35	90.49	90.25	89.27	89.22	89.71	87.28	88.89
13	93.66	95.01	87.00	89.15	86.67	88.48	89.06	91.36	91.64	90.81	88.84	88.67
14	93.41	93.83	88.08	90.10	86.29	88.21	89.13	89.67	91.23	90.95	89.88	88.63
15	93.23	93.21	87.33	91.80	86.20	89.90	89.90	90.97	90.33	89.67	88.57	89.57
16	91.80	92.89	84.17	92.27	87.73	90.14	90.06	90.07	89.80	89.31	87.78	88.48
17	93.21	94.51	83.08	92.87	87.60	89.02	89.43	89.20	88.88	89.06	88.76	83.71
18	91.11	93.95	83.87	95.01	87.60	89.99	89.73	89.81	88.59	88.98	88.41	81.88
19	93.14	92.42	84.03	94.85	87.95	89.11	88.86	88.95	88.70	88.99	89.20	81.26
20	92.10	93.88	83.81	94.45	89.98	89.28	89.69	88.16	89.44	90.49	89.44	80.59
21	93.81	93.66	85.18	92.74	91.15	89.08	89.06	90.03	90.95	90.73	90.46	77.86
22	93.74	93.96	87.90	91.90	90.97	89.85	88.77	90.63	89.79	89.52	90.64	77.69
23	92.33	92.17	88.88	91.94	89.70	89.91	89.79	90.13	89.44	89.13	89.33	77.21
24	93.60	93.53	87.64	93.35	89.16	90.45	89.68	89.51	89.97	88.97	89.79	74.68
25	93.16	92.46	87.45	93.93	88.72	89.18	88.94	89.82	90.42	90.59	89.37	75.53
26	91.83	87.39	87.43	94.53	88.65	90.70	89.71	88.54	91.21	91.63	88.38	74.68
27	92.61	86.35	88.24	94.90	90.39	91.37	88.71	87.90	92.93	90.44	88.89	73.41
28	92.62	87.16	89.71	93.65	90.86	90.38	89.18	87.52	91.98	89.63	88.22	72.65
29	93.65	86.46	90.06	93.85	---	90.71	88.85	88.21	91.70	90.58	88.21	71.17
30	93.97	85.16	88.70	92.94	---	89.35	88.86	89.05	92.65	90.36	88.76	71.03
31	92.87	---	88.51	91.95	---	89.35	---	89.82	---	89.51	88.21	---
MONTH	92.92	92.40	85.85	91.56	89.74	90.41	89.86	89.10	89.87	90.23	89.14	82.99
YEAR	MAX	95.33	MIN	71.03	MEAN	89.51						

MONTHLY MEAN HYDROGRAPH

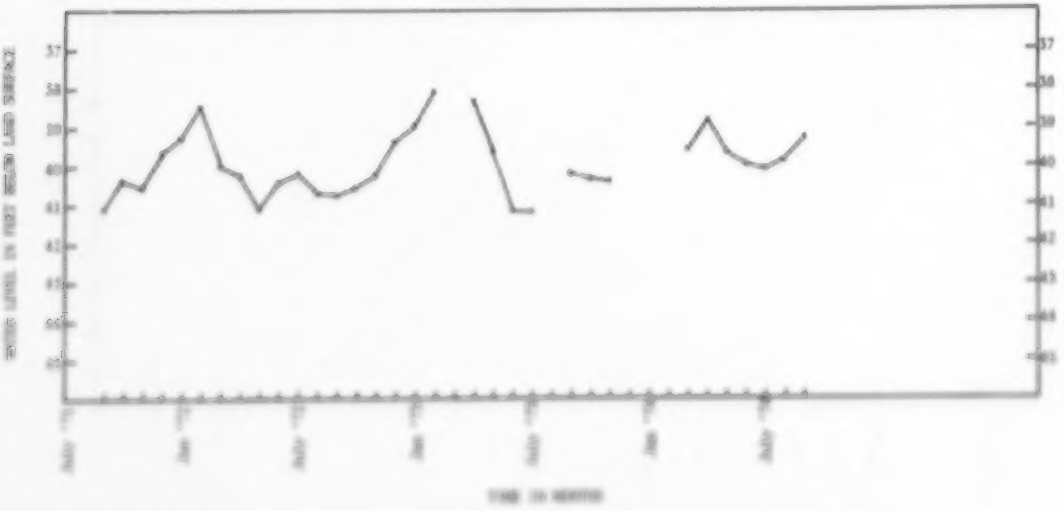


341150079345000. Local number FLO-128. E.I. Dupont Nemours Co. Near Mars Bluff. On the Peedee River. Drilled unused observation artesian well in sands of Late Cretaceous age, diam 4 in (10.2 cm), depth drilled 802 ft (244.5 m), depth measured by logger 460 ft (140.2 m), reportedly cased to 802 ft (244.5 m), screened intervals 264-292 ft (80-89 m), 327-333 ft (100-102 m), 375-381 ft (144-116 m), 678-690 ft (207-210 m). Lsd 96.90 ft (29.54 m) above msl. MP top of casing, 1.43 ft (0.44 m) above lsd. Highest water level 37.31 ft (11.37 m) below lsd, Apr. 8, 1973; lowest 45.96 ft (14.01 m) below lsd, May 11, 1972. Records available: 1971-74.

WATER LEVEL (FT. BELOW LSD) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.30	40.38	---	---	---	---	39.55	39.57	39.68	40.17	39.89	39.75
2	40.33	40.41	---	---	---	---	39.48	39.59	39.63	40.26	39.80	39.80
3	40.30	40.40	---	---	---	---	39.12	39.61	39.66	40.28	39.83	39.59
4	40.26	40.40	---	---	---	---	39.07	---	39.73	40.24	39.83	39.42
5	40.24	40.39	---	---	---	---	38.98	---	39.80	40.19	39.72	39.45
6	40.28	40.44	---	---	---	---	39.01	---	39.81	40.21	39.57	39.39
7	40.30	40.45	---	---	---	39.29	39.00	---	39.82	40.21	39.51	39.33
8	40.33	40.44	---	---	---	39.34	38.84	---	39.84	40.10	39.37	39.21
9	40.38	40.42	---	---	---	39.39	38.67	---	39.88	40.02	38.85	39.00
10	40.36	40.46	---	---	---	39.44	38.61	---	39.92	39.90	38.73	38.94
11	40.35	40.48	---	---	---	39.53	38.51	---	39.98	39.86	39.00	38.90
12	40.35	40.48	---	---	---	39.52	38.38	---	40.02	39.90	38.94	38.87
13	40.35	40.48	---	---	---	39.56	38.25	---	40.05	39.95	38.91	38.90
14	40.35	40.48	---	---	---	39.63	38.19	---	40.05	39.98	38.93	38.96
15	40.38	40.45	---	---	---	39.68	38.21	---	40.05	40.02	38.98	39.05
16	40.39	40.42	---	---	---	39.66	38.32	---	40.06	40.08	39.05	39.18
17	40.40	40.45	---	---	---	39.67	38.42	---	40.10	40.07	39.07	39.29
18	40.40	40.43	---	---	---	39.72	38.53	---	40.17	40.06	39.11	39.31
19	40.39	40.42	---	---	---	39.76	38.62	---	40.18	40.04	39.22	39.35
20	40.38	40.47	---	---	---	39.75	38.77	---	40.14	40.01	39.38	39.35
21	40.39	40.47	---	---	---	39.70	38.86	---	40.10	40.01	39.45	39.36
22	40.42	40.44	---	---	---	39.73	38.91	---	40.09	40.08	39.49	39.37
23	40.43	40.43	---	---	---	39.73	38.94	---	40.08	40.15	39.49	39.42
24	40.43	---	---	39.39	---	39.74	39.05	---	40.08	40.15	39.47	39.55
25	40.40	---	---	39.31	---	39.81	39.17	---	40.14	40.14	39.51	39.57
26	40.38	---	---	39.20	---	39.84	39.24	---	40.21	40.14	39.52	39.53
27	40.39	---	---	39.10	---	39.81	39.31	---	40.13	40.10	39.61	39.52
28	40.38	---	---	39.06	---	39.74	39.37	39.80	40.12	40.02	39.63	39.53
29	40.37	---	---	---	---	39.64	39.43	39.76	40.12	40.06	39.63	39.54
30	40.40	---	---	---	---	39.59	39.52	39.70	40.13	40.11	39.65	39.64
31	40.38	---	---	---	---	39.60	---	39.67	---	40.14	39.69	---
MONTH	40.36	---	---	---	---	39.63	38.87	---	39.99	40.08	39.38	39.33
YEAR	MAX	40.48	MIN	38.19	MEAN	39.73						

MONTHLY MEAN HYDROGRAPH



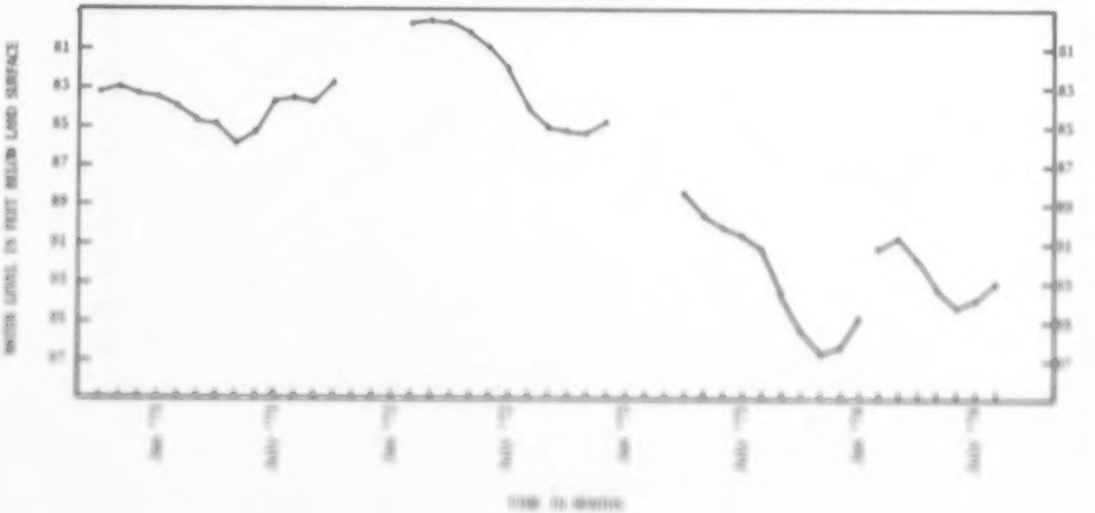
332329079173500. Local number GEO-77. Georgetown Rural Water District. North of Georgetown. Drilled unused public supply artesian well in sands of the Peedee and Black Creek Formations, diam 10 in (25.4 cm) to 445 ft (136 m), 8 in (20.3 cm) from 445 ft (136 m) to 748 ft (228.0 m), depth 748 ft (228.0 m), cased to 748 ft (228.0 m), screened 490-520 ft (149-158 m), 580-660 ft (177-201 m), 720-740 ft (219-226 m), gravel packed. Lsd 22 ft (7 m) above msl. MP top of casing 2.10 ft (0.64 m) above lsd. Highest water level 70.10 ft (21.37 m) below lsd, May 6, 1969; lowest 96.82 ft (29.53 m) below lsd, Nov. 21-23, 1973. Records available: 1969-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.01	96.47	96.72	96.17	92.50	90.53	91.06	92.74	93.74	94.52	93.35	92.28
2	95.08	96.56	96.73	96.23	92.28	90.51	91.10	92.82	93.78	94.53	93.32	92.23
3	95.14	96.57	96.68	96.18	92.08	90.51	91.14	92.88	93.80	94.52	93.30	92.16
4	95.20	96.59	96.61	96.13	91.98	90.52	91.20	92.97	93.87	94.46	93.28	92.14
5	95.27	96.58	96.56	96.13	91.94	90.50	91.23	92.96	93.91	94.39	93.23	92.16
6	95.38	96.66	96.61	96.07	91.79	90.52	91.34	93.01	93.93	94.34	93.16	92.06
7	95.46	96.67	96.63	96.02	91.55	90.54	91.47	93.09	93.97	94.26	93.16	92.00
8	95.52	96.64	96.50	96.04	91.37	90.56	91.46	93.17	94.02	94.19	93.18	91.97
9	95.59	96.61	96.42	95.95	91.39	90.56	91.43	93.18	94.05	94.10	93.15	91.91
10	95.65	96.72	96.41	95.85	91.36	90.56	91.60	93.22	94.07	94.00	93.16	91.70
11	95.74	96.77	96.42	95.73	91.27	90.61	91.70	93.27	94.11	93.97	93.21	---
12	95.81	96.75	96.40	95.67	91.23	90.53	91.71	93.19	94.16	93.99	93.23	---
13	95.86	96.73	96.28	95.64	91.14	90.57	91.71	93.26	94.23	94.00	93.24	---
14	95.90	96.72	96.24	95.47	91.06	90.64	91.72	93.32	94.30	93.95	93.26	---
15	95.93	96.71	96.26	95.26	90.97	90.67	91.72	93.33	94.33	93.88	93.27	---
16	95.95	96.69	96.13	95.10	90.83	90.59	91.80	93.36	94.34	93.84	93.24	---
17	96.04	96.79	96.11	94.95	90.80	90.60	91.86	93.38	94.39	93.84	93.15	---
18	96.12	96.78	96.22	94.86	90.79	90.64	91.92	93.40	94.49	93.81	93.11	---
19	96.16	96.75	96.23	94.68	90.65	90.62	91.96	93.40	94.56	93.72	93.09	---
20	96.18	96.80	96.08	94.51	90.68	90.64	92.07	93.39	94.55	93.62	93.08	---
21	96.22	96.81	95.99	94.31	90.73	90.62	92.14	93.43	94.54	93.57	93.05	---
22	96.27	96.80	96.12	94.18	90.59	90.73	92.14	93.44	94.53	93.54	93.00	---
23	96.27	96.80	96.14	94.03	90.65	90.74	92.13	93.42	94.55	93.52	92.91	---
24	96.27	96.76	96.18	93.88	90.62	90.77	92.21	93.46	94.56	93.50	92.82	---
25	96.29	96.72	96.18	93.73	90.60	90.87	92.34	93.49	94.59	93.46	92.76	---
26	96.32	96.73	96.13	93.56	90.65	90.89	92.42	93.51	94.66	93.43	92.70	---
27	96.37	96.72	96.12	93.36	90.64	90.92	92.49	93.48	94.57	93.40	92.62	---
28	96.39	96.63	96.16	93.18	90.60	90.90	92.58	93.60	94.55	93.37	92.55	---
29	96.36	96.69	96.13	93.00	---	90.84	92.64	93.61	94.55	93.37	92.50	---
30	96.39	96.74	96.11	92.79	---	90.83	92.68	93.61	94.56	93.38	92.43	---
31	96.40	---	96.14	92.63	---	90.95	---	93.67	---	93.40	92.36	---
MONTH	95.88	96.69	96.31	94.88	91.16	90.66	91.83	93.29	94.27	93.86	93.02	---

YEAR MAX 96.81 MIN 90.50 MEAN 93.77

MONTHLY MEAN HYDROGRAPH



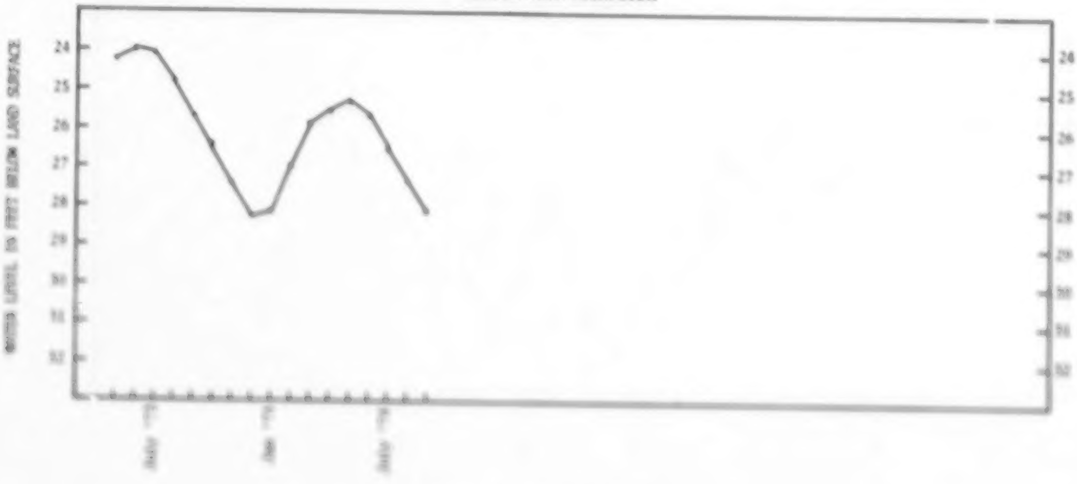
345335082185800. Local number GRV-709. School District of Greenville County. Brushy Creek Elementary School. Northeast of City of Greenville. Drilled unused public supply water-table well in metamorphic rock of Paleozoic to Precambrian age. Diam 6 in (15.2 cm), depth 80 ft (24.4 m), cased to 6 ft (2 m), open hole below casing. Lsd 926 ft (282 m) above msl. MP top of casing, 1.79 ft (0.55 m) above lsd. Highest water level 23.81 (7.26 m) below lsd, June 28, 1973; lowest 28.60 ft (8.71 m) below lsd, Jan 3, 1974. Records available: 1973-74.

WATER LEVEL (FT. BELOW LSD) . WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
INSTANTANEOUS OBSERVATIONS AT 12:00 AM

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.18	27.03	27.99	---	27.64	26.31	25.81	25.37	25.43	26.10	27.04	27.70
2	26.19	27.05	28.01	---	27.55	26.27	25.70	25.35	25.42	26.15	27.07	27.72
3	26.20	27.08	28.01	28.60	27.51	26.27	25.78	25.33	25.46	26.19	27.10	27.74
4	26.23	27.10	28.01	28.58	27.50	26.19	25.76	25.35	25.48	26.20	27.13	27.80
5	26.26	27.12	28.06	28.57	27.59	26.13	25.72	25.33	25.47	26.23	27.14	27.84
6	26.30	27.18	28.14	28.49	27.41	26.09	25.78	25.31	25.47	26.27	27.20	27.84
7	26.31	27.21	28.17	28.50	27.32	26.08	25.75	25.34	25.48	26.30	27.25	27.88
8	26.35	27.22	28.17	28.52	27.27	26.04	25.67	25.33	25.50	26.33	27.26	27.91
9	26.36	27.26	28.19	28.43	27.27	26.01	25.71	25.31	25.52	26.34	27.26	27.94
10	26.39	27.32	28.22	28.39	27.21	25.99	25.73	25.31	25.50	26.36	27.30	27.95
11	26.43	27.35	28.29	28.33	27.17	25.96	25.70	25.30	25.54	26.40	27.33	27.98
12	26.45	27.35	28.29	28.37	27.13	25.88	25.63	25.27	25.55	26.46	27.33	28.00
13	26.47	27.38	28.26	28.34	27.06	25.93	25.60	25.35	25.60	26.48	27.34	28.02
14	26.50	27.40	28.35	28.27	27.01	25.93	25.57	25.34	25.62	26.49	27.35	28.05
15	26.51	27.41	28.37	28.21	26.98	25.89	25.56	25.32	25.62	26.50	27.38	28.08
16	26.53	27.48	28.37	28.18	26.87	25.81	25.56	25.33	25.60	26.55	27.38	28.11
17	26.59	27.53	28.42	28.16	26.87	25.86	25.54	25.32	25.66	26.61	27.36	28.12
18	26.61	27.53	28.47	28.14	26.83	25.83	25.52	25.31	25.73	26.64	27.38	28.16
19	26.64	27.57	28.48	28.09	26.69	25.79	25.50	25.32	25.76	26.65	27.41	28.19
20	26.65	27.64	28.41	28.06	26.79	25.81	25.53	25.35	25.76	26.67	27.45	28.21
21	26.70	27.65	28.53	28.03	26.71	25.80	25.48	25.34	25.76	26.70	27.46	28.23
22	26.73	27.69	28.55	28.01	26.57	25.85	25.43	25.31	25.78	26.75	27.47	28.28
23	26.74	27.71	---	27.98	26.62	25.79	25.39	25.31	25.80	26.77	27.49	28.32
24	26.76	27.72	---	27.96	26.52	25.82	25.44	25.34	25.86	26.80	27.51	28.34
25	26.79	27.74	---	27.93	26.50	25.87	25.43	25.33	25.88	26.83	27.54	28.34
26	26.84	27.81	---	27.87	26.49	25.82	25.41	25.35	25.94	26.86	27.55	28.37
27	26.87	27.81	---	27.89	26.43	25.81	25.41	25.37	25.97	26.90	27.57	28.41
28	26.88	27.84	---	27.76	26.36	25.75	25.39	25.39	26.02	26.92	27.61	28.42
29	26.90	27.92	---	27.76	---	25.75	25.36	25.33	26.06	26.93	27.64	28.46
30	26.92	27.95	---	27.73	---	25.67	25.34	25.36	26.08	26.97	27.66	---
31	26.94	---	---	27.69	---	25.79	---	25.40	---	27.01	27.68	---
MONTH	26.55	27.46	---	28.16	26.99	25.92	25.57	25.33	25.67	26.56	27.37	28.08

YEAR MAX 28.60 MIN 25.27 MEAN 26.78

MONTHLY MEAN HYDROGRAPH

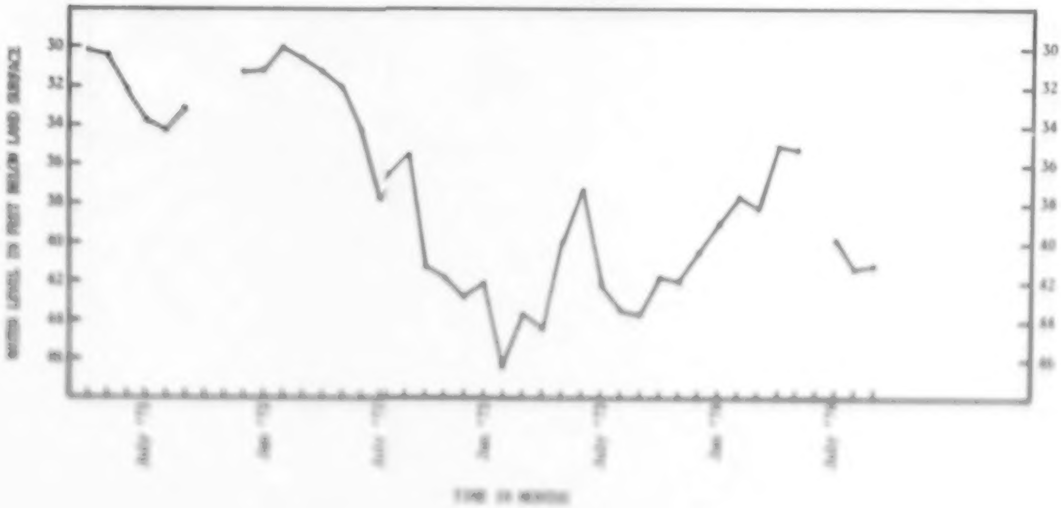


334037078542600. Local number HO-35. City of Myrtle Beach. Myrtle Beach. Drilled unused public supply artesian well in the Peedee and Black Creek Formations, diam 8 in (20.3 cm), depth 459 ft (139.9 m), cased to 454 ft (138 m), gravel packed. Lsd 25.2 ft (7.68 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Water levels affected by distant pumping. Highest water level 28.20 ft (8.60 m) below lsd, Mar. 22, 1971; lowest, 50.36 ft (15.35 m) below lsd, April 29, 1973. Records available: 1965-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMHER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.26	42.49	42.15	39.57	38.51	37.84	34.49	36.01	33.87	35.08	41.53	41.65
2	40.62	43.24	42.26	39.78	38.57	37.93	34.44	36.02	33.89	35.66	41.69	39.47
3	41.02	43.46	41.98	39.89	38.49	38.01	34.34	36.04	34.19	36.16	41.63	39.10
4	39.62	43.34	41.69	38.80	38.42	38.10	34.33	35.89	34.95	36.67	41.64	39.40
5	37.54	41.88	41.75	38.71	38.34	37.99	34.32	35.55	35.08	37.11	41.67	39.90
6	38.92	42.19	41.99	38.82	37.92	38.09	34.47	35.49	35.20	37.34	41.64	40.13
7	40.08	42.34	41.30	38.94	37.51	38.27	34.58	35.40	35.40	37.66	41.70	40.61
8	41.07	42.17	40.50	39.03	37.43	38.39	34.62	35.43	35.46	37.85	41.73	40.97
9	41.48	41.73	40.10	38.89	37.49	37.96	34.44	35.43	35.83	37.89	41.36	41.05
10	42.70	41.50	39.79	38.76	37.55	38.42	34.51	35.44	36.09	38.02	41.57	41.32
11	43.12	41.92	40.14	38.79	37.51	38.20	34.61	35.37	---	38.53	41.54	41.40
12	43.42	41.79	40.57	38.72	37.46	38.39	34.65	35.23	---	39.22	41.64	41.38
13	43.28	41.76	40.91	38.83	37.44	38.59	34.68	35.13	---	39.29	41.82	41.23
14	43.50	41.72	40.52	38.95	37.39	38.77	34.69	35.08	---	40.44	41.65	40.84
15	43.66	41.74	40.73	38.96	37.45	38.90	34.58	35.00	---	40.90	41.75	41.15
16	43.52	41.70	40.56	39.05	37.43	38.91	34.71	34.98	---	41.16	41.69	41.17
17	42.77	41.20	40.48	39.16	37.45	39.00	34.81	35.08	---	41.55	41.65	41.25
18	43.50	41.66	40.66	39.11	37.52	39.05	34.94	35.16	---	41.85	41.75	41.51
19	43.58	42.11	40.70	39.02	37.53	39.04	34.98	35.21	---	41.91	41.87	41.74
20	43.26	42.07	40.66	39.07	37.58	39.06	35.15	35.20	---	42.05	41.91	42.13
21	42.53	41.84	40.70	39.08	37.65	39.12	35.32	35.24	---	42.24	40.73	41.87
22	43.47	42.19	40.65	39.00	37.60	38.61	35.57	35.34	---	42.25	39.12	42.12
23	43.19	42.08	40.28	39.11	37.75	40.00	35.61	35.34	---	42.34	39.89	42.22
24	43.26	42.31	39.81	39.22	37.64	39.69	35.53	35.31	---	42.40	41.47	42.11
25	41.96	42.35	39.82	39.13	37.62	39.70	35.65	35.08	---	41.92	41.31	41.90
26	39.00	41.76	39.73	39.18	37.69	39.38	36.00	35.02	---	41.24	39.86	41.89
27	39.98	41.73	38.60	39.27	37.75	37.50	36.14	35.08	---	41.27	40.60	41.92
28	40.41	41.85	39.67	39.30	37.81	35.07	35.92	35.13	33.29	41.44	41.03	41.68
29	41.57	41.86	39.63	39.28	---	34.79	35.96	34.63	33.76	41.57	41.32	41.07
30	41.97	41.90	39.65	39.08	---	34.52	35.99	34.30	34.46	41.48	41.33	41.31
31	42.52	---	39.44	38.91	---	34.46	---	33.91	---	41.47	41.30	---
MONTH	41.83	42.06	40.56	39.07	37.73	38.12	35.00	35.24	---	39.86	41.33	41.18
YEAR	MAX	43.66	MIN	33.29	MEAN	39.11						

MONTHLY MEAN HYDROGRAPH

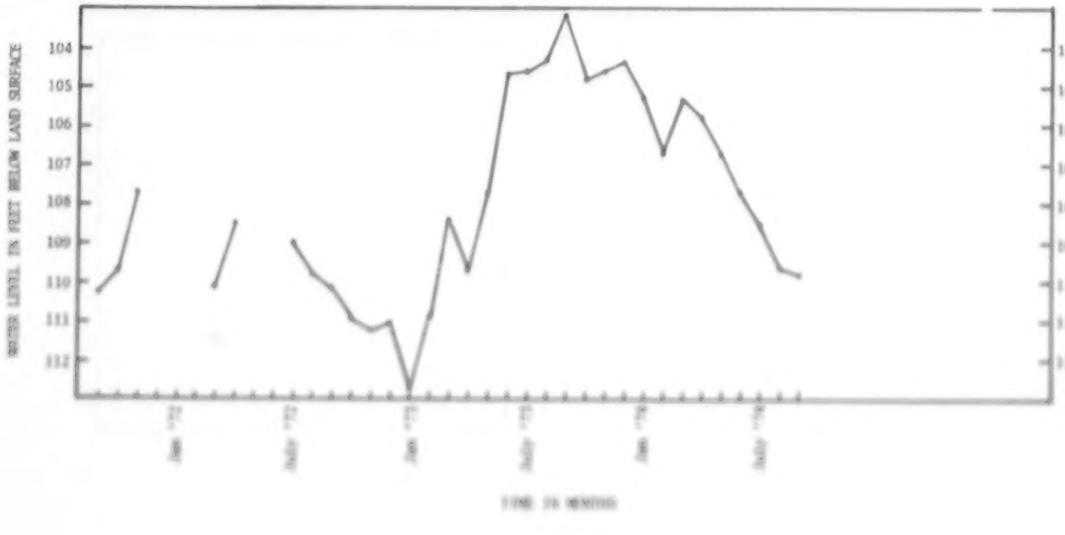


335250081102501. Local number LEX-79. Pennsylvania Sand and Glass Co. Edmund. Drilled unused industrial and observation artesian well in sands of Late Cretaceous age, diam 6 in (15.2 cm), depth 252 ft (76.8 m), cased to 250 ft (76 m). Lsd 376 ft (115 m) above msl. MP top of recorder platform, at lsd. Highest water level 100.31 ft (30.57 m) below lsd, Sept. 9, 1973; lowest 118.46 ft (36.11 m) below lsd, Apr. 26 and May 1, 1969. Records available: 1966-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103.21	103.84	103.51	105.42	106.16	106.35	105.37	106.37	106.92	107.71	110.20	107.89
2	102.90	104.14	102.17	105.58	106.04	106.36	105.71	106.44	106.90	108.69	110.23	107.91
3	104.13	103.85	104.30	105.42	105.76	106.42	105.83	106.83	106.46	108.84	110.27	108.55
4	104.47	103.75	104.64	105.35	105.99	106.44	105.90	106.84	107.30	107.14	110.30	108.82
5	104.78	103.69	104.72	104.81	106.15	106.43	106.09	106.23	106.95	108.23	110.35	110.06
6	105.03	104.32	105.02	103.99	106.00	106.52	105.80	106.54	106.99	108.71	110.38	110.76
7	105.09	104.55	105.10	104.29	105.84	106.27	105.74	107.14	107.68	109.15	110.49	110.66
8	104.59	104.52	105.00	103.31	105.89	105.33	105.82	107.17	107.93	107.80	110.38	107.78
9	104.27	104.46	104.92	103.11	105.44	105.32	105.75	106.66	108.04	107.55	110.31	108.07
10	105.21	104.76	105.05	103.67	106.91	104.98	105.80	106.95	107.84	108.12	110.34	109.50
11	104.83	104.76	105.10	105.10	107.27	105.06	106.12	106.57	107.90	108.81	109.84	109.96
12	105.16	104.64	105.16	105.40	107.36	105.34	106.34	106.85	108.00	108.33	109.63	109.26
13	105.27	104.59	104.88	105.53	107.34	103.70	105.97	106.38	108.23	107.67	110.68	110.00
14	105.99	104.58	105.19	105.51	107.38	103.92	105.42	106.60	108.48	107.62	110.90	110.06
15	105.93	104.55	105.22	105.32	107.46	104.02	105.96	106.79	108.52	107.63	107.58	110.30
16	105.70	104.59	105.10	105.32	107.27	103.84	105.85	106.90	107.72	107.81	106.14	110.23
17	106.23	104.98	105.24	105.58	107.41	103.75	105.86	107.39	107.66	107.95	108.20	110.18
18	105.87	104.76	105.52	105.61	107.51	104.45	105.95	107.41	108.37	107.96	110.27	110.38
19	106.02	104.68	104.07	105.51	106.89	105.60	105.93	106.93	107.37	107.85	110.49	110.51
20	106.48	104.84	103.44	105.46	107.72	106.00	105.90	106.82	107.14	107.65	110.64	110.52
21	105.90	104.84	102.99	105.63	107.82	104.11	105.48	106.58	107.02	108.36	110.36	110.48
22	105.52	104.86	103.09	106.05	107.54	104.16	105.45	106.56	106.96	109.47	110.23	109.70
23	105.80	104.86	102.72	105.96	107.87	104.24	106.01	106.75	107.70	109.82	110.35	109.54
24	105.95	104.78	103.39	105.86	105.50	104.15	106.54	107.29	108.24	109.90	109.64	110.44
25	105.90	104.84	102.43	105.78	105.84	105.06	106.01	107.09	108.33	109.92	108.88	110.44
26	105.58	105.06	103.78	105.74	106.45	106.69	105.80	106.53	108.45	109.92	109.12	110.44
27	103.17	104.90	104.96	105.70	106.48	106.62	105.71	106.57	108.53	109.22	108.76	110.50
28	101.03	104.79	105.17	105.67	106.41	105.96	104.35	106.69	108.64	108.06	108.73	110.55
29	102.86	105.36	105.17	105.76	---	106.13	105.39	106.54	108.00	109.46	108.80	110.54
30	103.24	105.16	105.14	105.80	---	106.59	105.71	106.55	107.18	109.73	108.74	110.68
31	103.90	---	105.32	105.82	---	106.29	---	106.94	---	110.16	108.38	---
MONTH	104.83	104.61	104.43	105.26	106.70	105.35	105.78	106.77	107.71	108.55	109.66	109.82
YEAR	MAX	110.90	MIN	101.03	MEAN	106.62						

MONTHLY MEAN HYDROGRAPH

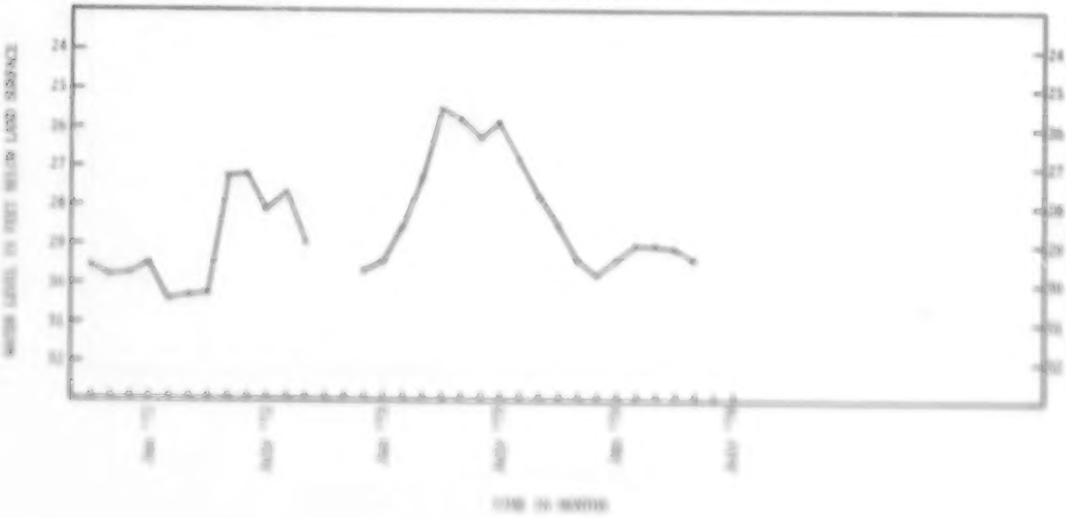


335440081303001. Local number LEX-88. Town of Leesville. Leesville. Drilled unused public supply artesian well in sands of Tertiary age, diam 16 in (40.6 cm) to 14.5 ft (4.4 m), 8 in (20.3 cm) from 14.5 ft (4.4 m) to 125 ft (38.1 m), depth 125 ft (38.1 m), cased to 125 ft (38.1 m). Lsd 645 ft (197 m) above msl. MP top of recorder platform, 2.20 ft (0.67 m) above lsd. Highest water level 25.08 ft (7.64 m) below lsd, Apr. 26, 1973: lowest 31.25 ft (9.53 m) below lsd, Mar. 16, 1972. Station terminated June 12, 1974 at request of owner. Records available: 1972-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.05	29.11	29.75	29.33	29.29	28.95	28.93	29.58	27.59	---	---	---
2	28.00	29.15	29.72	29.30	29.23	28.95	29.00	29.61	27.52	---	---	---
3	28.06	29.12	29.76	29.25	29.13	28.87	28.99	29.61	27.53	---	---	---
4	28.10	29.09	29.78	29.28	29.27	28.88	29.08	29.67	27.61	---	---	---
5	28.17	29.12	29.84	29.22	29.31	28.91	28.88	29.32	27.68	---	---	---
6	28.18	29.25	29.93	29.15	29.24	28.96	28.91	29.20	27.69	---	---	---
7	28.09	29.26	29.94	29.22	29.09	29.01	28.83	29.39	27.73	---	---	---
8	28.20	29.26	29.87	29.42	29.03	29.04	28.70	29.50	27.70	---	---	---
9	28.27	29.31	29.74	29.41	29.14	29.05	28.85	29.44	27.60	---	---	---
10	28.35	29.36	29.78	29.47	29.06	28.95	28.99	29.56	27.65	---	---	---
11	28.42	29.33	29.87	29.47	29.02	29.01	29.04	29.57	27.82	---	---	---
12	28.47	29.35	29.88	29.58	29.05	28.98	28.94	29.34	27.87	---	---	---
13	28.43	29.34	29.82	29.58	29.09	29.12	28.93	29.41	---	---	---	---
14	28.43	29.38	29.95	29.57	29.21	29.18	28.87	29.48	---	---	---	---
15	28.46	29.46	29.92	29.45	29.15	29.19	28.93	29.58	---	---	---	---
16	28.50	29.47	29.62	29.51	28.91	29.10	29.04	29.65	---	---	---	---
17	28.58	29.49	29.62	29.60	28.84	29.08	29.12	29.68	---	---	---	---
18	28.63	29.42	29.76	29.68	28.86	29.09	29.20	29.66	---	---	---	---
19	28.72	29.49	29.79	29.62	28.78	29.13	29.19	29.63	---	---	---	---
20	28.72	29.57	29.71	29.58	28.97	29.13	29.31	29.70	---	---	---	---
21	28.72	29.57	29.78	29.48	29.01	29.08	29.23	29.72	---	---	---	---
22	28.79	29.56	29.80	29.55	28.84	29.12	29.18	29.80	---	---	---	---
23	28.82	29.52	29.76	29.59	28.95	29.09	29.22	29.83	---	---	---	---
24	28.88	29.47	29.78	29.52	28.81	29.04	29.36	29.84	---	---	---	---
25	28.89	29.46	29.74	29.48	28.86	29.09	29.47	29.85	---	---	---	---
26	28.96	29.57	29.71	29.41	28.98	29.02	29.44	29.72	---	---	---	---
27	28.96	29.59	29.77	29.35	28.98	29.07	29.41	29.64	---	---	---	---
28	28.92	29.65	29.79	29.36	28.97	29.07	29.41	29.74	---	---	---	---
29	28.96	29.78	29.77	29.39	---	28.94	29.46	28.23	---	---	---	---
30	28.99	29.78	29.81	29.30	---	28.87	29.50	27.49	---	---	---	---
31	28.97	---	29.61	29.30	---	28.89	---	27.60	---	---	---	---
MONTH	28.53	29.40	29.78	29.43	29.03	29.02	29.11	29.42	---	---	---	---
YEAR	MAX	29.95	MIN	27.49	MEAN	29.14						

MONTHLY MEAN HYDROGRAPH

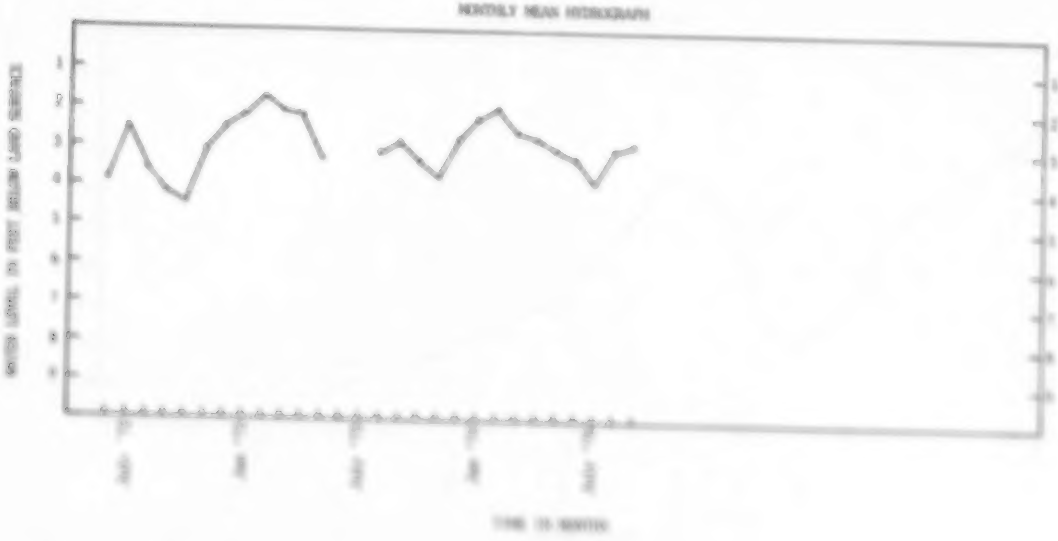


343715079411500. Local number MLB-112. Town of Bennettsville. Bennettsville. Near National Guard Armory. Drilled unused public supply artesian well in sands of Late Cretaceous age, diam 8 in (20.3 cm), depth 345 ft (105.2 m), cased to 320 ft (98 m), perforated pipe 220-320 ft (67-98 m), screened 320-335 ft (98-102 m). Lsd 150 ft (46 m) above msl. MP top of concrete pad, 1.20 ft (0.37 m) above lsd. Highest water level 0.85 ft (0.26 m) below lsd, Feb. 2, 1973; lowest 4.79 ft (1.46 m) below lsd, Oct. 18, 1972. Records available: 1972-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.64	3.72	3.74	1.75	2.55	2.32	2.44	3.43	2.91	3.76	4.16	3.23
2	2.75	3.76	3.74	1.55	2.30	2.36	2.51	3.44	2.83	3.81	4.02	3.26
3	2.84	3.76	3.74	1.68	2.15	2.41	2.60	3.42	2.38	3.86	3.74	3.26
4	2.91	3.77	3.74	1.76	2.06	2.48	2.61	3.47	2.50	3.84	3.55	2.28
5	2.99	3.78	3.74	1.57	2.22	2.52	2.14	3.31	2.62	3.76	3.49	2.43
6	3.06	3.80	3.74	1.68	2.25	2.57	2.28	3.31	2.72	3.56	3.23	2.28
7	3.10	3.79	3.74	1.78	2.04	2.60	2.40	3.38	2.83	3.42	3.18	2.18
8	3.16	3.77	3.33	1.92	1.69	2.63	2.44	3.46	2.90	3.34	2.99	2.30
9	3.21	3.78	2.82	1.99	1.77	2.66	2.44	3.28	2.96	3.42	2.38	2.51
10	3.23	3.83	2.95	2.06	1.91	2.70	2.57	3.00	3.03	3.48	2.52	2.59
11	3.26	3.81	3.04	2.10	2.02	2.76	2.65	3.03	3.13	3.61	2.69	2.73
12	3.31	3.81	3.10	2.20	2.12	2.73	2.67	2.71	3.24	3.68	2.91	2.84
13	3.33	3.81	3.02	2.30	2.17	2.74	2.62	2.59	3.31	3.69	2.99	2.86
14	3.34	3.81	2.82	2.33	2.23	2.81	2.48	2.72	3.36	3.73	2.95	2.91
15	3.39	3.81	2.84	2.32	2.13	2.83	2.57	2.84	3.34	3.79	3.07	2.96
16	3.40	3.81	2.40	2.37	1.85	2.71	2.70	2.93	3.38	3.94	2.97	3.08
17	3.48	3.85	2.11	2.42	1.66	2.67	2.76	2.99	3.44	3.98	2.67	3.05
18	3.50	3.81	2.25	2.49	1.81	2.76	2.81	3.06	3.53	4.03	2.71	3.06
19	3.53	3.81	2.37	2.50	1.81	2.76	2.85	3.12	3.56	3.97	2.93	3.15
20	3.54	3.89	2.14	2.52	1.88	2.75	2.93	3.12	3.60	3.95	2.98	3.15
21	3.56	3.82	1.89	2.49	2.00	2.68	2.96	3.16	3.62	3.96	3.12	3.16
22	3.61	3.75	2.08	2.55	1.82	2.74	2.99	3.21	3.66	4.07	3.18	2.98
23	3.62	3.74	2.19	2.58	1.85	2.76	3.01	2.99	3.70	4.13	2.99	3.01
24	3.65	3.72	2.31	2.62	1.96	2.79	3.10	2.80	3.45	4.18	2.62	3.18
25	3.68	3.71	2.36	2.64	2.08	2.59	3.15	2.91	3.56	4.20	2.72	3.15
26	3.70	3.73	2.36	2.64	2.21	2.47	3.17	2.95	3.65	4.11	2.91	3.26
27	3.71	3.74	2.47	2.65	2.26	2.54	3.21	2.46	3.58	3.98	3.06	3.24
28	3.69	3.73	2.49	2.68	2.29	2.58	3.25	2.56	3.57	3.88	3.15	3.24
29	3.68	3.74	2.51	2.66	---	2.40	3.29	2.62	3.62	4.04	3.22	3.27
30	3.68	3.74	2.53	2.51	---	2.15	3.34	2.73	3.67	4.05	3.20	3.42
31	3.70	---	2.31	2.49	---	2.32	---	2.83	---	4.15	3.21	---
MONTH	3.36	3.78	2.80	2.29	2.03	2.60	2.76	3.02	3.25	3.85	3.08	2.93
YEAR	MAX	4.20	MIN	1.55	MEAN	2.98						

MONTHLY MEAN HYDROGRAPH

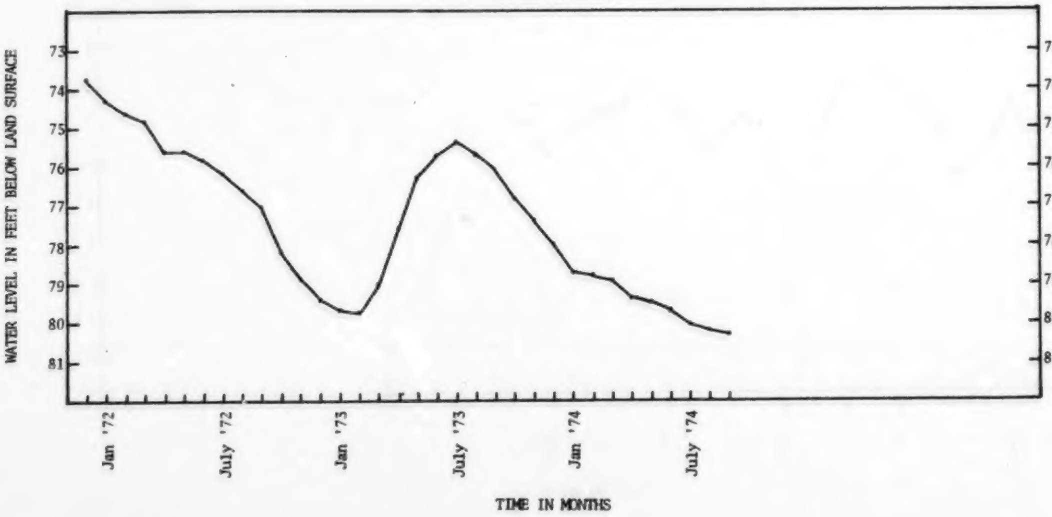


340335080583501. Local number RIC-40. Shakespeare Manufacturing Co. North of Columbia. Drilled unused industrial water-table well in sands of Late Cretaceous age, diam 6 in (15.2 cm), depth 245 ft (74.7 m) cased to 233 ft (71 m), screened 98-105 ft (30-32 m). Lsd 390 ft (119 m) above msl. MP top of casing, 0.37 ft (0.11 m) above lsd. Highest water level 70.09 ft (21.36 m) below lsd, May 23, 1960; lowest 84.28 ft (25.69 m) below lsd, May 16, 1952. Records available: 1949-52, 1957-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
INSTANTANEOUS OBSERVATIONS AT 12:00 AM

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76.53	77.46	77.81	78.48	79.06	78.71	79.21	79.46	79.51	79.91	80.07	80.16
2	76.53	77.43	77.83	78.56	79.01	79.01	79.27	79.47	79.55	79.99	80.08	80.15
3	76.50	77.25	77.63	78.47	79.06	78.91	79.25	79.44	79.60	80.02	80.08	80.15
4	76.52	77.23	77.68	78.46	79.16	78.86	79.29	79.46	79.64	79.96	80.07	80.23
5	76.56	77.20	77.66	78.51	79.21	78.83	79.28	79.41	79.61	79.97	80.10	80.28
6	76.63	77.31	77.89	78.47	79.12	78.87	79.34	79.46	79.62	79.99	80.15	80.23
7	76.66	77.18	77.88	78.56	78.03	78.88	79.29	79.52	79.64	79.98	80.20	80.26
8	76.65	77.27	77.86	78.63	78.93	78.88	79.23	79.51	79.73	80.02	80.22	80.25
9	76.60	77.27	77.86	78.58	78.92	78.88	79.37	79.51	79.62	80.03	80.23	80.28
10	76.77	77.40	77.90	78.61	78.84	78.88	79.44	79.55	79.56	80.01	80.23	80.28
11	76.84	77.39	77.97	78.58	78.87	78.93	79.46	79.51	79.63	80.07	80.25	80.28
12	76.93	77.34	77.83	78.68	78.83	78.79	79.36	79.38	79.66	80.13	80.25	80.27
13	76.91	77.31	77.78	78.73	78.78	78.91	79.29	79.57	79.70	80.09	80.23	80.28
14	76.91	77.31	77.91	78.66	78.76	78.95	79.26	79.57	79.72	80.02	80.23	80.27
15	76.89	77.28	77.96	78.58	78.83	78.96	79.31	79.48	79.69	80.00	80.25	80.27
16	76.82	77.38	77.98	78.61	78.66	78.78	79.41	79.47	79.60	80.14	80.25	80.28
17	76.98	77.46	78.10	78.71	78.74	78.88	79.38	79.53	79.70	80.18	80.17	80.31
18	76.93	77.38	78.21	78.80	78.77	78.88	79.46	79.51	79.80	80.19	80.15	80.32
19	76.90	77.42	78.21	78.76	78.58	78.81	79.43	79.48	79.77	80.13	80.24	80.38
20	76.91	77.48	78.04	78.79	78.81	78.86	79.48	79.55	79.75	80.08	80.24	80.35
21	76.88	77.53	78.21	78.81	78.85	78.83	79.41	79.55	79.73	80.05	80.25	80.33
22	76.90	77.55	78.27	78.91	78.61	78.96	79.36	79.53	79.68	80.10	80.23	80.35
23	76.88	77.56	78.24	78.84	78.63	78.86	79.33	79.50	79.65	80.11	80.23	80.40
24	76.88	77.55	78.26	78.90	78.66	78.91	79.44	79.53	79.76	80.11	80.20	80.42
25	76.93	77.56	78.15	78.95	78.76	79.03	79.46	79.48	79.80	80.09	80.17	80.38
26	77.37	77.65	78.15	78.96	78.75	78.93	79.46	79.45	79.89	80.09	80.18	80.34
27	77.29	77.63	78.30	78.93	78.63	78.93	79.46	79.47	79.85	80.08	80.20	80.36
28	77.34	77.59	78.56	78.93	78.68	78.93	79.43	79.56	79.93	80.07	80.21	80.35
29	77.03	77.79	78.21	78.98	---	78.98	79.48	79.52	79.92	80.08	80.22	80.30
30	77.23	77.80	78.30	79.05	---	78.98	79.44	79.53	79.89	80.10	80.24	80.38
31	77.25	---	78.38	79.03	---	79.18	---	79.60	---	80.05	80.20	---
MONTH	76.86	77.43	78.03	78.72	78.80	78.90	79.36	79.50	79.70	80.05	80.19	80.29
YEAR	MAX	80.42	MIN	76.50	MEAN	78.99						

MONTHLY MEAN HYDROGRAPH

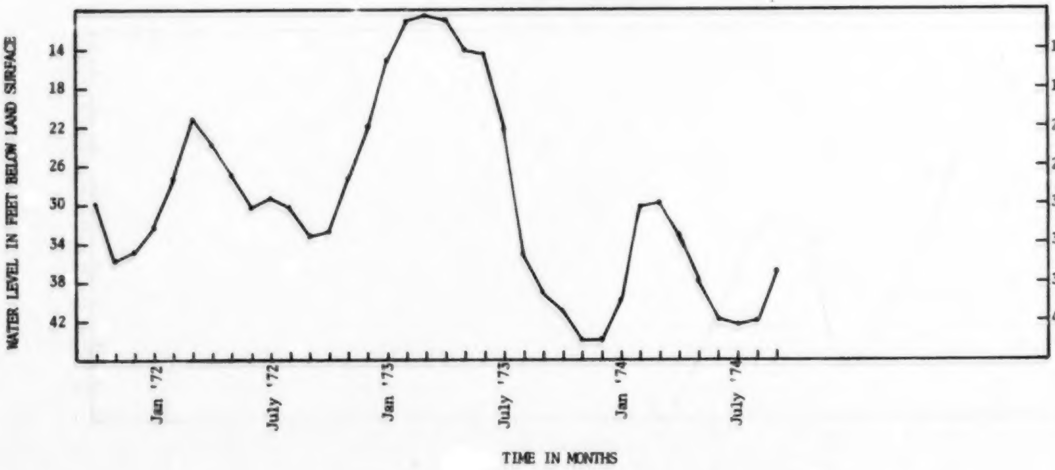


340540081021508. Local number RIC-309. Heater Utilities Co. Linconshire Subdivision. Columbia. Drilled unused public supply artesian well in granitic-gneiss and schist, diam 6 in (15.2 cm), depth 300 ft (91.4 m), casing to 90 ft (27 m), open hole below casing. Lsd 260 ft (79 m) above msl. MP top of casing, 0.57 ft (0.17 m) above lsd. Highest water level 7.89 ft (2.40 m) below lsd, Mar. 12, 1973; lowest 44.83 ft (13.66 m) below lsd, Dec. 30, 1973. Records available: 1971-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
INSTANTANEOUS OBSERVATIONS AT 12:00 AM

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.83	43.32	43.58	43.58	35.78	26.68	32.03	34.98	38.98	42.86	41.70	37.85
2	41.16	43.38	44.03	40.73	35.28	27.05	31.73	35.41	39.39	42.50	41.95	37.75
3	40.83	43.33	44.13	40.33	34.43	27.43	32.33	35.83	39.81	41.35	42.15	37.35
4	40.69	43.81	43.98	40.60	34.33	27.42	32.97	35.57	40.20	41.17	42.40	36.87
5	40.63	43.93	43.93	39.57	34.13	27.21	32.13	36.02	40.52	41.35	42.57	36.55
6	40.46	43.93	43.80	39.33	34.03	27.53	32.41	36.12	40.80	42.18	42.53	36.05
7	41.26	43.68	43.83	39.36	33.29	27.43	32.85	36.20	41.05	42.61	42.23	34.90
8	41.60	43.52	43.38	39.73	31.28	27.73	33.03	36.85	41.28	43.01	42.20	35.15
9	41.88	43.62	43.53	39.98	31.23	28.23	33.15	37.22	41.50	42.75	42.63	35.20
10	41.63	43.47	44.13	39.88	---	28.58	32.93	37.55	41.70	42.00	42.25	35.00
11	40.63	43.96	43.93	39.83	---	28.53	31.93	37.86	41.90	41.39	42.00	35.00
12	39.43	---	43.83	40.08	---	28.03	31.88	37.89	42.25	40.86	41.50	35.00
13	39.58	---	43.75	40.73	---	28.08	32.43	38.28	42.44	41.67	41.10	35.20
14	40.37	---	43.70	40.73	---	28.33	32.88	38.58	42.00	42.32	39.25	---
15	40.53	44.17	43.63	40.38	31.73	28.33	33.23	38.78	41.84	42.82	43.03	---
16	40.43	44.13	43.70	40.18	30.23	28.43	33.81	39.03	42.17	43.29	42.70	---
17	40.23	43.88	43.78	40.33	28.78	28.67	34.10	39.25	42.40	43.50	42.25	---
18	40.23	---	43.73	40.55	28.53	28.73	34.23	39.43	42.68	42.40	42.79	---
19	40.23	44.80	43.63	40.38	27.83	28.83	34.63	39.58	42.90	41.60	42.87	---
20	40.21	44.48	43.43	40.73	28.03	28.99	35.13	39.76	43.05	42.10	42.73	---
21	40.73	44.08	43.13	41.13	28.16	29.08	35.45	39.93	43.20	42.74	42.50	---
22	41.13	43.81	43.11	41.73	27.18	29.18	35.63	40.08	43.35	43.29	42.45	---
23	41.23	43.98	43.21	41.58	26.98	30.25	34.78	39.68	43.50	43.77	42.20	---
24	41.38	43.98	43.57	40.23	27.13	30.61	34.33	38.23	43.63	43.90	42.03	---
25	42.03	44.18	43.93	39.33	26.83	31.43	33.73	38.67	43.77	43.24	42.40	---
26	42.35	44.23	43.93	39.28	27.10	31.33	33.15	39.17	43.40	43.45	42.43	---
27	42.11	43.98	44.03	39.23	27.20	31.73	32.99	39.46	41.98	43.30	42.65	---
28	42.64	43.83	44.23	38.68	26.88	31.33	33.92	38.43	42.00	42.57	43.20	---
29	42.93	43.74	44.29	38.77	---	30.56	33.83	37.18	41.82	41.90	43.35	---
30	43.18	43.78	44.55	35.27	---	31.11	34.43	37.60	42.41	41.33	37.55	---
31	43.38	---	44.48	34.63	---	31.48	---	38.40	---	41.15	37.50	---
MONTH	41.15	43.88	43.80	39.89	30.27	28.97	33.40	37.96	41.93	42.39	41.97	---
YEAR	MAX	44.80	MIN	26.68	MEAN	38.72						

MONTHLY MEAN HYDROGRAPH

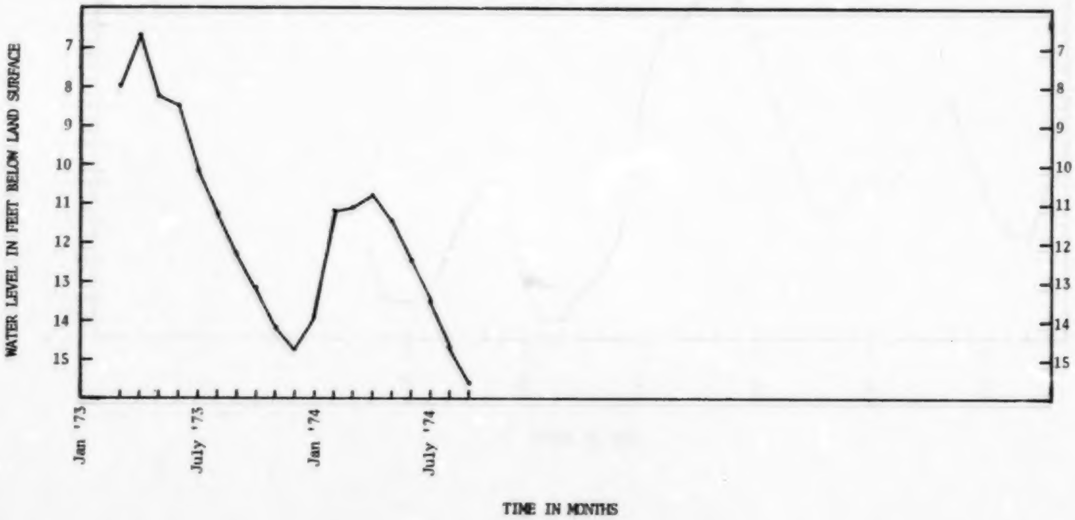


345930081591000. Local number SP-297. Formerly listed SP-298. Metro. Subdistrict B Water Works. Northwest Spartanburg. Drilled unused public supply artesian well in metamorphic rock of Paleozoic to Precambrian age, diam 6 in (15.2 cm), depth 442 ft (134.7 m), cased to 51 ft (16 m), open hole below casing. Lsd 880 ft (268 m) above msl. MP top of casing, 0.97 ft (0.30 m) above lsd. Highest water level 5.77 ft (1.75 m) below lsd, Apr. 9, 1973; lowest 15.97 ft (4.86 m) below lsd, Sept. 26, 1974. Records available: 1973-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
INSTANTANEOUS OBSERVATIONS AT 12:00 AM

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.77	13.71	14.58	---	---	10.58	11.36	11.04	11.95	13.01	14.22	15.28
2	12.72	13.75	14.61	---	---	10.58	11.37	11.01	12.00	13.07	14.23	15.28
3	12.76	13.79	14.61	14.27	---	10.59	11.39	11.01	12.05	13.12	14.29	15.31
4	12.77	13.83	14.63	14.14	12.16	10.70	11.39	11.01	12.10	13.13	14.30	15.29
5	12.82	13.84	14.63	14.05	12.11	10.75	11.02	11.06	12.15	13.14	14.35	15.33
6	12.88	13.91	14.66	13.91	12.00	10.82	10.94	11.08	12.18	13.17	14.36	15.30
7	12.90	13.94	14.68	13.90	11.87	10.85	10.91	11.09	12.19	13.17	14.39	15.31
8	12.93	13.96	14.68	13.87	11.67	10.89	10.80	11.18	12.16	13.17	14.38	15.35
9	12.96	13.99	14.65	13.81	11.57	10.88	10.75	11.22	12.19	13.22	14.38	15.41
10	12.98	14.00	14.69	13.72	11.49	10.88	10.78	11.25	12.20	13.25	14.42	15.48
11	13.01	14.00	14.72	---	11.39	10.94	10.76	11.31	12.23	13.29	14.55	15.52
12	13.02	13.99	14.75	---	11.34	10.86	10.69	11.36	12.26	13.38	14.60	15.56
13	13.02	14.02	14.76	---	11.26	10.97	10.63	11.31	12.31	13.43	14.60	15.59
14	13.02	14.05	14.82	---	11.24	11.03	10.56	11.41	12.35	13.48	14.63	15.60
15	13.07	14.09	14.86	---	11.24	11.04	10.55	11.43	12.38	13.51	14.70	15.60
16	13.09	14.18	14.86	---	11.11	11.00	10.60	11.50	12.41	13.55	14.72	15.60
17	13.19	14.25	14.85	---	11.09	11.02	10.59	11.53	12.49	13.60	14.69	15.61
18	13.28	14.25	14.92	---	11.02	11.16	10.61	11.55	12.57	13.61	14.69	15.63
19	13.31	14.28	14.97	---	10.85	11.18	10.61	11.61	12.64	13.62	14.73	15.71
20	13.33	14.32	14.97	---	10.95	11.27	10.62	11.69	12.66	13.63	14.75	15.74
21	13.35	14.22	14.93	---	10.92	11.18	10.63	11.74	12.68	13.64	14.81	15.76
22	13.39	14.26	15.03	---	10.69	11.39	10.62	11.76	12.66	13.78	14.86	15.83
23	13.40	14.37	---	---	10.75	11.43	10.61	11.78	12.68	13.81	14.90	15.87
24	13.41	14.41	---	---	10.63	11.41	10.63	11.81	12.74	13.79	14.96	15.87
25	13.41	14.40	---	---	10.62	11.52	---	11.82	12.78	13.84	14.98	15.89
26	13.46	14.44	---	---	10.66	11.57	---	11.83	12.86	13.91	15.03	15.90
27	13.56	14.44	---	---	10.65	11.55	---	11.82	12.85	13.95	15.03	15.87
28	13.59	14.44	---	---	10.61	11.55	---	11.86	12.88	13.98	15.08	15.88
29	13.61	14.54	---	---	---	11.54	---	11.84	12.92	14.06	15.17	---
30	13.62	14.56	---	---	---	11.39	---	11.86	12.95	14.11	15.24	---
31	13.65	---	---	---	---	11.36	---	11.90	---	14.17	15.27	---
MONTH	13.17	14.14	---	---	11.19	11.09	10.80	11.47	12.44	13.53	14.68	15.58
YEAR	MAX	15.90	MIN	10.55	MEAN	13.02						

MONTHLY MEAN HYDROGRAPH

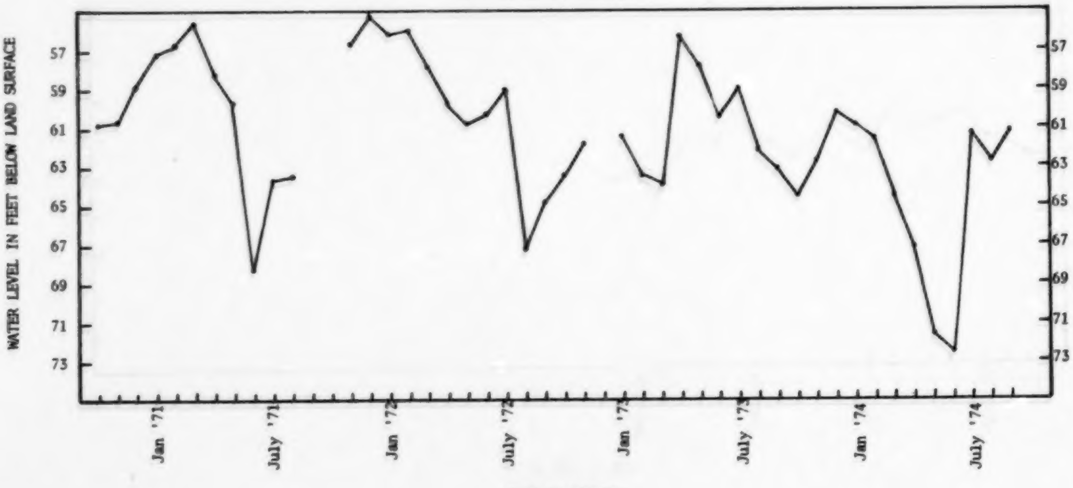


335602080204800. Local number SU-69. City of Sumter. Sumter. Municipal well field. Drilled unused public supply artesian well in sands of the Black Creek Formation, diam 18 in (45.7 cm) to 248 ft (75.6 m), 8 in (20.3 cm) from 208 ft (63 m) to 618 ft (188 m), depth 805 ft (245.4 m), cased to 618 ft (188 m), screened 525-608 ft (160-185 m), gravel packed. Lsd 176 ft (54 m) above msl. MP top of concrete pad, 0.42 ft (0.13 m) above lsd. Water levels are affected by pumping of nearby wells. Highest water level 40.57 ft (12.37 m) below lsd, Oct. 29, 1971; lowest 77.81 ft (23.72 m) below lsd, June 28, 1974. Records available: 1970-74.

WATER LEVEL (FT. BELOW LSD), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.92	62.29	62.62	57.22	61.90	67.52	61.76	73.93	75.37	62.81	66.43	65.37
2	63.70	63.64	58.42	60.31	58.06	60.49	67.44	74.69	64.16	65.39	66.75	64.74
3	65.46	64.73	60.15	61.45	55.64	55.93	67.72	74.67	64.76	65.55	62.85	66.33
4	67.14	59.70	63.55	61.52	58.69	58.61	71.76	70.93	71.39	61.64	60.54	67.37
5	66.85	59.85	62.73	61.88	61.85	68.01	71.35	64.02	72.94	56.61	61.05	65.03
6	66.24	62.41	65.02	56.43	63.13	70.96	63.63	65.49	75.38	55.32	61.32	63.01
7	60.99	63.36	63.73	57.53	64.02	71.98	57.26	70.17	75.35	54.83	61.17	60.59
8	60.08	62.75	62.50	60.45	64.05	72.58	60.85	73.78	76.50	60.03	61.72	57.47
9	63.97	63.17	58.24	62.52	62.19	71.61	64.91	74.70	75.20	60.91	62.29	59.78
10	64.27	61.43	60.20	63.07	60.45	61.53	69.82	74.79	72.42	65.28	58.43	61.49
11	66.84	56.17	64.54	63.45	63.16	63.21	68.84	74.49	74.70	66.15	56.25	63.27
12	69.31	58.58	64.12	58.94	68.94	66.58	71.31	64.55	76.59	62.56	58.00	64.71
13	67.12	59.23	64.34	53.97	69.26	69.10	63.40	65.06	77.01	60.16	61.14	63.76
14	61.41	---	65.75	56.29	68.45	68.17	57.13	71.01	77.03	57.84	62.22	60.23
15	61.05	70.20	60.98	60.63	62.78	67.03	61.31	72.75	72.29	58.23	63.38	56.72
16	66.43	69.53	56.09	60.43	57.22	59.06	64.81	74.68	62.36	60.64	63.01	58.51
17	68.03	65.88	58.42	63.44	54.27	55.55	68.50	74.22	64.00	59.56	60.94	60.79
18	67.31	60.12	64.13	63.10	54.69	60.72	69.55	75.55	70.65	60.50	58.96	63.01
19	68.43	62.44	64.27	60.28	57.41	64.76	72.38	69.61	73.78	60.79	60.50	62.78
20	67.88	66.22	64.97	57.18	61.83	66.24	68.99	67.55	76.17	59.24	65.36	62.83
21	62.07	67.36	63.99	60.60	64.61	69.21	61.53	70.92	76.86	56.32	65.94	59.54
22	61.11	63.55	59.92	62.19	63.11	69.02	64.62	73.69	77.08	56.44	66.04	56.21
23	65.67	64.96	56.44	64.57	53.02	59.62	69.29	75.20	75.87	60.61	64.79	56.71
24	67.46	61.92	55.51	66.62	49.27	55.61	72.70	74.23	72.06	63.80	63.27	58.73
25	67.28	57.41	53.65	68.60	60.46	58.76	72.48	73.41	72.65	66.01	59.07	59.26
26	67.19	59.78	54.90	63.07	68.08	66.92	72.39	66.79	76.62	65.51	60.86	61.06
27	65.80	62.55	55.86	55.73	68.17	68.98	72.72	66.25	75.58	64.47	64.39	60.26
28	61.08	62.60	56.14	56.68	68.77	69.72	68.31	70.20	75.11	61.63	64.93	58.77
29	59.34	63.85	54.34	61.25	---	68.56	68.09	73.65	66.52	61.53	68.84	56.71
30	61.35	65.99	52.22	62.57	---	60.76	73.44	74.72	61.13	65.17	69.03	60.86
31	61.70	---	57.03	67.04	---	56.32	---	75.76	---	65.16	66.78	---
MONTH	64.62	62.81	60.15	60.90	61.55	64.61	67.27	71.66	72.58	61.31	62.78	61.19
YEAR	MAX	77.08	MIN	49.27	MEAN	64.29						

MONTHLY MEAN HYDROGRAPH



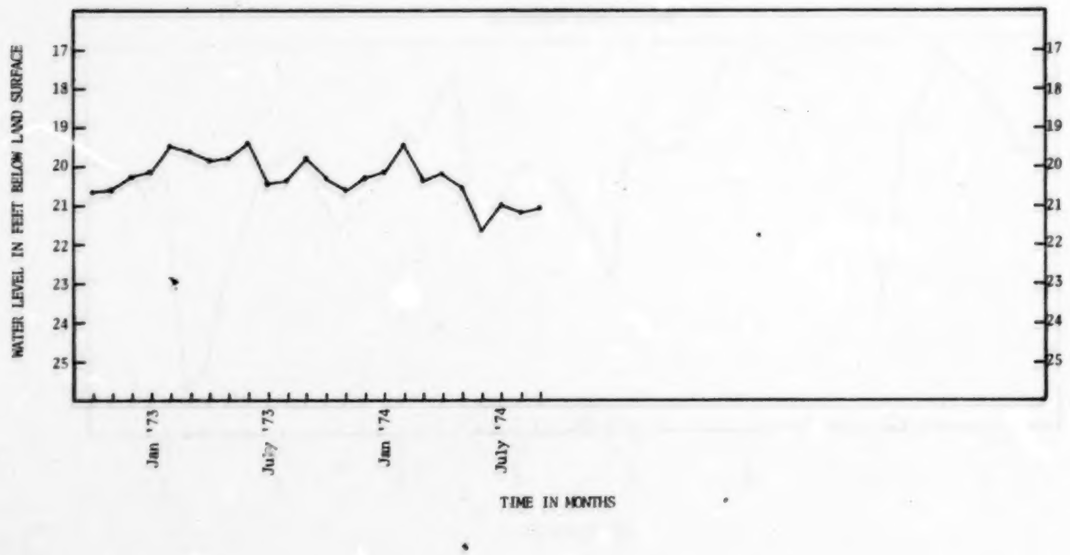
TIME IN MONTHS

350150081012500. Local number YK-147. Tega Cay Development Co. Fort Mill. On Lake Wiley. Drilled unused private public supply water-table well in rock of Paleozoic to Precambrian age, diam 8 in (20.3 cm), depth 700 ft (213.4 m), cased to 50 ft (15 m), open hole below casing. Lsd 600 ft (183 m) above msl. MP top of casing, 0.75 ft (0.23 m) above lsd. Highest water level 18.59 ft (5.67 m) below lsd, Apr. 8, 1973; lowest 22.29 ft (6.79 m) below lsd, Aug. 19, 1974. Records available: 1972-74.

WATER LEVEL (FT. BELOW LSD) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.21	20.55	20.70	19.93	19.59	20.31	19.74	20.46	20.86	21.50	21.31	21.17
2	20.20	20.58	20.72	19.95	19.50	20.34	20.24	20.52	20.89	21.48	21.37	21.20
3	20.19	20.54	20.66	19.86	19.40	20.36	20.37	20.47	20.99	21.45	21.42	21.21
4	20.17	20.54	20.59	19.81	19.41	20.40	20.39	20.47	21.05	21.44	21.41	21.32
5	20.14	20.51	20.55	19.85	19.45	20.47	20.08	20.42	21.03	21.51	21.40	21.40
6	20.19	20.60	20.61	19.86	19.42	20.51	19.99	20.36	21.05	21.48	21.38	21.31
7	20.16	20.60	20.63	19.94	19.30	20.56	19.93	20.36	21.10	21.43	21.37	21.25
8	20.17	20.57	20.59	20.06	19.20	20.60	19.78	20.29	21.19	21.29	21.32	21.27
9	20.21	20.54	20.48	20.10	19.25	20.57	19.72	20.25	21.24	21.04	21.22	21.42
10	20.20	20.67	20.48	20.16	19.28	20.59	19.78	20.24	21.32	20.85	21.16	21.44
11	20.23	20.70	20.52	20.23	19.30	20.67	19.82	20.21	21.42	20.72	21.13	21.37
12	20.26	20.65	20.43	20.41	19.31	20.58	19.82	20.15	21.56	20.74	21.06	21.26
13	20.25	20.59	20.29	20.56	19.24	20.66	19.86	20.28	21.70	20.74	21.07	21.11
14	20.24	20.53	20.30	20.58	19.26	20.70	19.92	20.29	21.82	20.69	21.06	21.05
15	20.27	20.49	20.31	20.53	19.38	20.69	19.95	20.24	21.92	20.63	21.06	21.06
16	20.26	20.49	20.23	20.51	19.32	20.60	20.03	20.26	21.92	20.63	21.06	21.07
17	20.34	20.62	20.25	20.51	19.29	20.63	20.09	20.19	21.97	20.70	21.02	21.04
18	20.36	20.60	20.38	20.57	19.35	20.59	20.17	20.21	22.04	20.74	21.00	21.05
19	20.34	20.61	20.40	20.53	19.30	20.48	20.20	20.35	22.12	20.70	20.99	21.03
20	20.32	20.70	20.24	20.54	19.46	20.49	20.46	20.60	22.11	20.74	21.00	20.97
21	20.34	20.72	20.16	20.41	19.59	20.39	20.53	20.84	22.09	20.76	21.07	20.91
22	20.39	20.73	20.19	20.30	19.57	20.39	20.52	20.95	22.08	20.87	21.10	20.93
23	20.37	20.73	20.11	20.21	19.74	20.33	20.48	20.96	22.00	20.93	21.08	20.99
24	20.38	20.68	20.12	20.18	19.73	20.29	20.48	21.02	22.02	20.95	21.10	21.01
25	20.42	20.63	20.07	20.11	19.87	20.32	20.49	21.01	22.01	20.95	21.15	20.95
26	20.47	20.69	19.97	20.01	20.05	20.22	20.50	21.05	21.99	20.93	21.23	20.93
27	20.51	20.66	20.01	19.90	20.15	20.15	20.53	21.05	21.89	20.93	21.23	20.98
28	20.49	20.57	20.09	19.80	20.26	20.02	20.58	21.12	21.79	20.96	21.18	20.91
29	20.46	20.69	20.04	19.73	---	19.89	20.64	21.13	21.68	20.98	21.15	20.87
30	20.48	20.72	20.01	19.65	---	19.70	20.66	20.66	21.56	21.08	21.13	20.95
31	20.49	---	19.97	19.60	---	19.70	---	20.94	---	21.20	21.17	---
MONTH	20.30	20.61	20.32	20.14	19.49	20.39	20.19	20.55	21.61	21.00	21.17	21.11
YEAR	MAX	22.12	MIN	19.20	MEAN	20.58						

MONTHLY MEAN HYDROGRAPH



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